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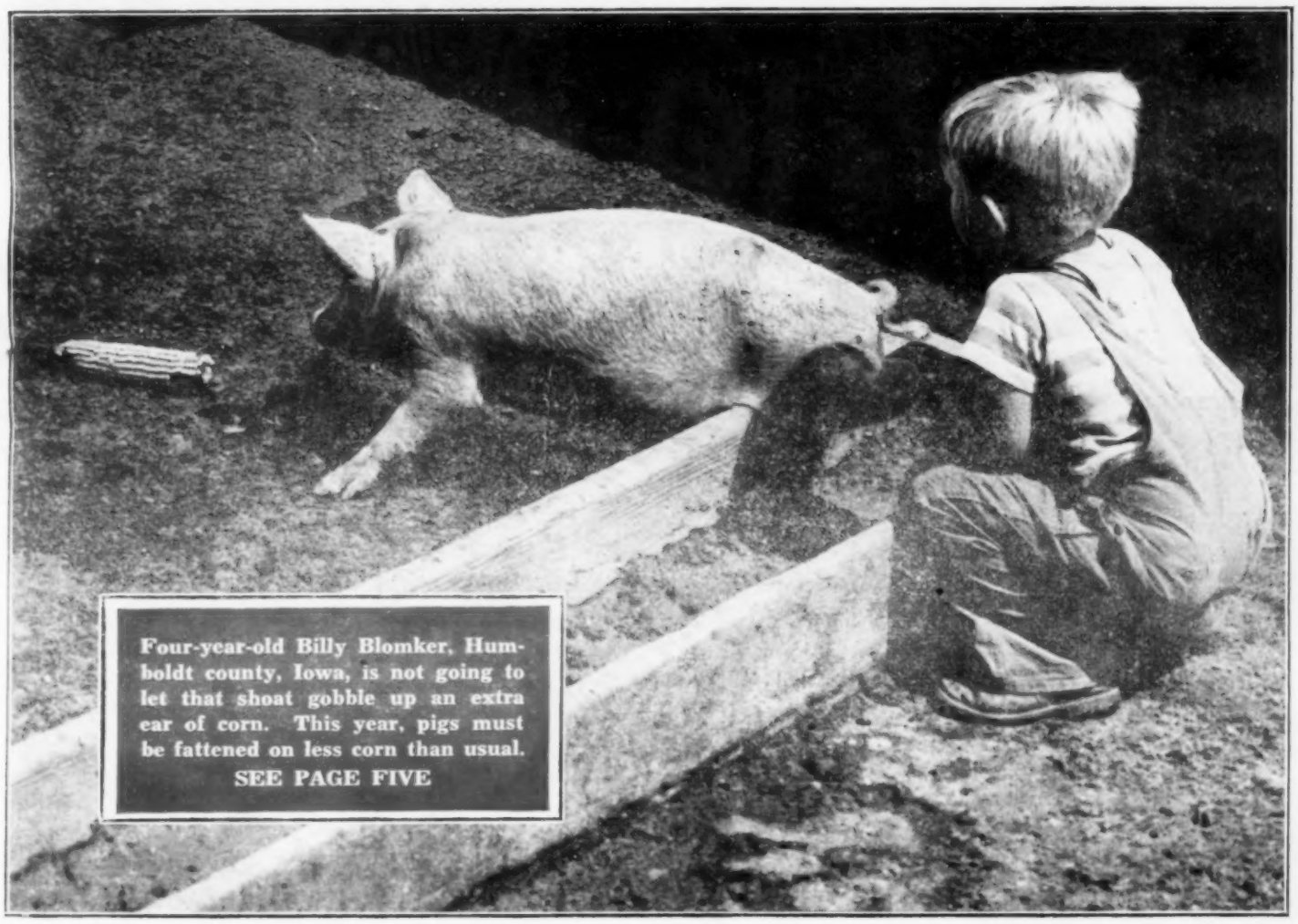
BUY U.S. SAVINGS BONDS

WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

STRETCH Your Corn!



Four-year-old Billy Blomker, Humboldt county, Iowa, is not going to let that shoat gobble up an extra ear of corn. This year, pigs must be fattened on less corn than usual.
SEE PAGE FIVE

Hog Price Drop Needn't Hurt . . Page 6

Should Grandpa Drive a Car? . . Page 22

How To Cook For Extra Men . . Page 38

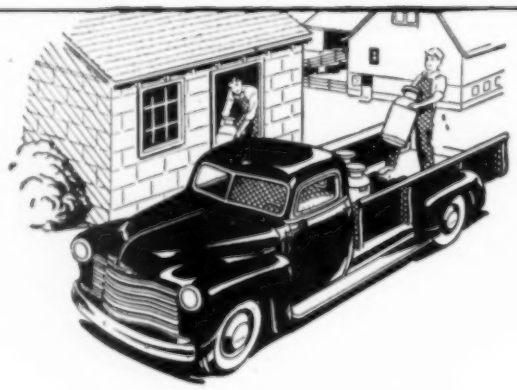
SEPTEMBER 20, 1947

IOWA'S LEADING FARM NEWSPAPER

New Advance-Design

Chevrolet Trucks

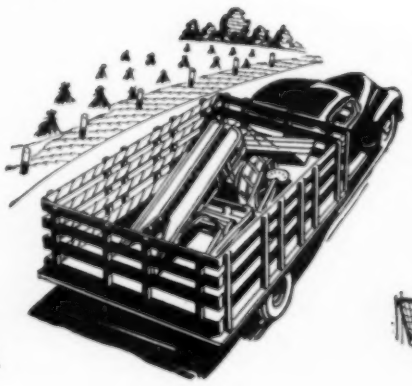
with the Cab that *"Breathes"*



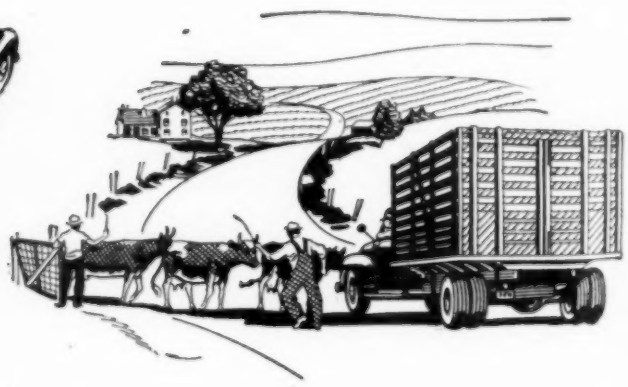
Wider, deeper **WINDSHIELD** and larger **WINDOWS** increase visibility by 22%. **DRIVER'S COMPARTMENT** is wider and deeper, with more leg room. Seats are now fully adjustable, bigger and more comfortable.

Chevrolet's unique new **CAB THAT "BREATHES"** almost literally "inhales" fresh air—"exhales" used air. A constant stream of fresh air is *drawn in* from the outside—heated in cold weather—and used air is *forced out.** Cab is **FLEXI-MOUNTED,** rubber-cushioned against road shocks, torsion and vibration. . . . See these new Advance-Design Chevrolet trucks at your dealer's.

Chevrolet trucks, with stronger, sturdier **FRAMES,** carry greater loads greater distances for a longer time. **FULL-FLOATING HYPOID REAR AXLES** are geared for the load on *any* road.



LONGER WHEELBASES give more room in the cab and better load distribution. There's new **INCREASED LOAD SPACE** in pick-ups and panels **—MORE EFFICIENT LOADING** in stake and high rack bodies.



Famous Chevrolet **VALVE-IN-HEAD TRUCK ENGINES,** world's most economical for their size, give added power to the pull. . . . **HYDRAULIC TRUCK BRAKES**—with Chevrolet's *exclusive* design for greater brake-lining contact—are quick, safe and dependable!

**Fresh-air heating and ventilating system optional at extra cost.*

CHEVROLET MOTOR DIVISION, *General Motors Corporation,* **DETROIT 2, MICHIGAN**

CHEVROLET

GOOD STANDS VIGOROUS PLANTS

Are Yours When You Plant CROW'S Film Coated* Seed Corn

Here is the seed corn that's protected when soil is cold and damp. It's protected against soil fungi—with a coat that does not rub off in handling. It has assured germination—with strong, vigorous plants. It gives you good stands regardless of cold weather after planting.

Farmers who planted Crow's Film-Coated Seed Corn this year report gratifying results. Their seed corn produced healthy plants in spite of cold, wet weather which followed planting in many areas. If you have not ordered Crow's Film-Coated Seed Corn for your 1948 planting, we suggest placing your order as soon as possible. With the expected scarcity of good seed corn next spring, why take chances of losing your seed corn in cold, damp soil? Plant Crow's Film-Coated Seed—be sure of good stands from seed that's bred to give you the most profitable corn you can raise on your farm.

Film-Coated Seed Corn is available only at Crow's — and you can get it at no extra cost.

CROW'S
HYBRID CORN CO.
MILFORD, ILLINOIS
World's Largest Producers of Single Cross Seed Corn

*Film-Coating is an exclusive Crow's product—Patents Pending.

CROW'S 607 SINGLE CROSS

Ripens on green foliage. Sales of this outstanding hybrid are increasing year after year. Farmers find it more vigorous — higher yielding. Seed production is limited this year. See Crow's dealer in your community — mail coupon or postal for Crow's circulars.

MAIL THIS COUPON

CROW'S HYBRID CORN CO.
Milford, Ill., Dept. WF

Please send full details — Crow's Film-Coated Seed Corn:

Name.....

Address.....

R.F.D......

State.....

How Big Is YOUR Dairy Dollar?

How much of their feed do YOUR cows convert into milk?—that is today's PAY-OFF question.

Take a 1,000 lb. cow giving 20 lbs. of 4% milk per day. It takes about the same amount of feed to maintain her body as it does to produce that 20 lbs. of milk. But step-up her ration, in QUALITY and BALANCE, and look what happens.

Her body maintenance requirements remain the same —so a larger percentage of her feed converts into MILK.

On an ordinary ration, when she gives 20 lbs. per day the picture looks like this:

1/2 for BODY maintenance	1/2 FOR MILK

But step-up milk output to 40 lbs. per day, by more efficient rations, and here is the picture:

1/3 for BODY maintenance	2/3 FOR MILK

In a Cornell test they took 10 cows from poor rations and put them on quality, balanced rations. Milk production jumped 50% the first year. Why?—more of the feed went into MILK. In another test, by adding only 2% of a needed element to the ration, milk production increased 17%. No single kind of feed, not even pasture, makes a BALANCED dairy ration. It takes ALL the needed nutrients for efficiency—and that especially means the right amounts of proteins, minerals, vitamins. When there aren't enough of these elements in the ration the cow strips them from her own body reserves to produce some milk and the calf.

Check this against YOUR herd averages. Are you feeding for maintenance or for MILK? If you aren't getting the milk checks you should, your feed dealer will gladly help you with a feeding plan that will turn more of your feed money into milk money.

FEED INSTITUTE OF IOWA
830 Liberty Bldg DES MOINES

Good-Luck Kiss is given Howard Beebout, Marion county, Iowa, at National Plow Terrace Contest in Cass county, Nebraska. But in spite of the cheers of his wife and and their four-year-old twins, Leo and Louise, Howard failed to finish in the top group of plowmen. The contest winner was Louis Buessing, of Kansas.

INSIDE STUFF

WHEN IS THE FIRST frost coming? I have a friend who is a sooth-sayer. He juggles charts and figures and shakes out readings about the future.

▲ ▲

IN JUNE, he said Iowa's corn yield would be 40 bushels an acre this fall. Now he says the first killing frost in Iowa will come September 25.

▲ ▲

I'M BETTING on early October myself. But it won't hurt to figure out just how you'll handle the crop if the frost should come early.

▲ ▲

I WANT TO GET hold of a poor hog raiser. You know, one of these fellows whose sows roll over on the pigs, whose pigs acquire necro and round-worms, and who uses twice as much feed as he should in getting hogs to market.

▲ ▲

NOW DON'T write me and say: "I've got five neighbors who just fit your description. Which one do you want?"

▲ ▲

I WANT SOMEBODY who will admit he is a poor hog raiser, who will tell his bad luck, and who will explain how he is going to do better next time.

▲ ▲

IN WALLACES' Farmer and Iowa Homestead, we keep reporting the work of first-class hog raisers. Only trouble is these folks make ordinary hog raisers feel a little puny.

▲ ▲

WHAT WE NEED is a fellow who writes pieces about hogs so ordinary folks will get a chance to feel superior. Suppose we find Jerry X. Jimpson is our man.

▲ ▲

JERRY WRITES: "My spring pigs all have the flu. My fall pigs are all runts. None of them is doing well on my standard ration of corn and water. Maybe I should raise something else."

▲ ▲

THINK how an article like that would cheer up every farmer whose pigs aren't diseased, and who feeds them a balanced ration!

▲ ▲

THE LAZY FARMER has offered to handle the job for us, but we don't want him. Lazy is poor at everything. We just want somebody who is poor with hogs.

▲ ▲

REMEMBER the picture of the woman hanging up clothes that we ran recently? One farm woman asks: "Why does the picture show the woman hanging up a sheet against the wind?"

▲ ▲

THERE'S ONLY one answer to that one, ladies. The photographer was a man. He did not know any better.

▲ ▲

AT OUR PLACE, my wife says she agrees with every word I write about better kitchen stoves, sinks, drains, etc., for farm homes. And then she adds:

▲ ▲

"DO YOU KNOW how long we've had this range? And that the repair man says nobody can fix up that oven door again?"

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
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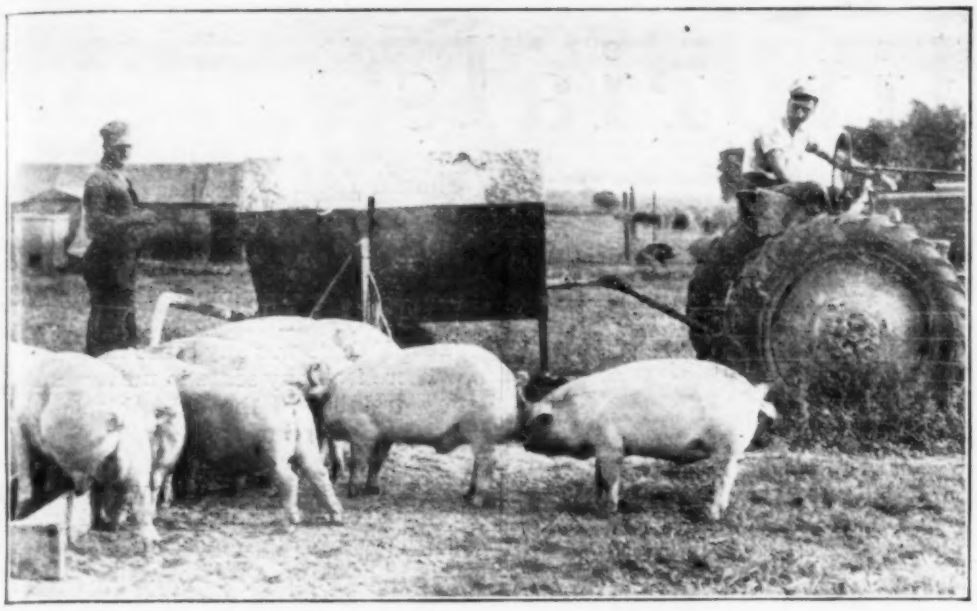


Power takeoff stirs slop in this labor-saving hog-slopper at Robert Naefke's, in Wright county, Iowa. Harold Naefke and Ralph Borel are slopping a pen of purebred boars.

Stretch Your Corn

By WALLACE D. INMAN

HOW many pounds of pork can we produce with a short crop? One thing is certain. Some farmers can raise more hogs on a given amount of corn than others.

How do they stretch the corn? To find out, I visited with farmers in several sections of Iowa. Here are some ideas they have on the subject of stretching corn.

Here I want to say that I'd classify all these fellows as good hog men. If you could go to their farms, I think you'd agree they know something about hogs. So maybe their suggestions are valuable.

One suggestion ranks at the top. That is to use more alfalfa meal this winter and more legume pasture this fall and next summer.

Harold C. Timm, of Muscatine county, Iowa, gives that advice. And he adds that he'll try to raise more hogs next year. He thinks they'll be valuable, even if it is hard to find hog feed.

J. Verald Brown, of Franklin county, Iowa, sides in with Timm. Brown thinks you ought to keep all the hogs you can see the way clear to feed.

As for alfalfa meal, Brown really uses it. For several winters, he has self-fed his sows and gilts a mixture of one-third alfalfa meal, one-third ground corn and one-third ground oats, by weight, with supplement and mineral free choice.

That's more alfalfa than is usually advised. But Brown says it works.

He suggests, too, that a fellow ought to arrange for pasture early next spring. This fall, you may be able to use some new seeding. And a patch of rye might be valuable for early pasture next year.

In Sac county, Iowa, I asked Seth Johnson for suggestions. First thing he said was: "Last year, I fed 95 sows a ration containing 15 per cent alfalfa by weight.

"I've got some beautiful, sun-cured, second-crop alfalfa, and I'm going to boost the alfalfa in their ration this winter. I think a lot of it. It ought to be high in Vitamins D and A."

He'll hold the corn down and feed lots of oats to the sows and gilts.

He brought out the point that you'll use less feed in the long run if you make sure the ration is well balanced. Protein supplements, minerals, vitamins, salt and plenty of water are important.

"Feeding floors save lots of waste," says Johnson. And if you have feeders out in a field, put them on a plank platform.

Wayne Weltzheimer, of Wilson Farm Company, Sac county, Iowa, was more interested in his 20 litters of fall pigs.

"One way to save feed is to push those fall pigs from the day they start to eat," he says. He wants them to get a lot of size before winter. To do that, he'll use legume pasture. If he can find the labor or time, he will slop the pigs. He plans on hand-feeding his minerals and supplements.

That's one thing about a pig. You don't save any feed if you hold back on him. It's like overhead and maintenance costs in an idle factory. A pig eats so much to live every day. All above his living requirements goes for gain. The fewer days you keep him around, the less feed it requires to get him to market.

In some places, corn may be very hard to get. I figured young H. E. Schroeder, in Sac county, had been trained by a man who really knows his stuff, his dad Frank.

So I asked H. E. if he remembered feeding wheat as a corn substitute when he was at home.

He says wheat is great for fattening hogs, if you feed about a third wheat, a third corn and a third oats. But you can't feed wheat alone. Chew a mouthful of wheat yourself, and you'll see why.

Robert Naefke, Wright county, Iowa, agrees that wheat can be substituted in a fattening hog ration. Ground wheat for fattening hogs has about 105 per cent of the value of corn, pound for pound. He had thought about buying wheat.

Brown had also been thinking of wheat. It's high as a kite, too, and another disadvantage is that in many places in Iowa you have to buy a carload at a time.

Another Wright county hog raiser, Leo Lynch, brought out a minor point I hadn't thought of.

He likes to hog down some corn each fall. "But this fall, these pigs look like they are a little too big and a little too fat to turn into the corn. I don't want to waste anything I've fed them by letting them run off any fat going after a drink of water," he said.

I wondered why no one mentioned sanitation. Then I figured they take it for granted that everyone starts out by trying to keep his hogs healthy.

A healthy pig takes less feed. Use only clean pasture or lots to avoid parasites and diseases.

And don't forget that skimping on protein, minerals and salt takes more expensive grain. Water is important, too. See that they have an abundance of it. Keep them on pasture as long as you can this fall. And use lots of alfalfa this winter.

All in all, it looks as if every pig you market between now and a year from now would be important and valuable.

This Gilt is doing her part to help avert a meat shortage. Orville Walters, of Calhoun county, Iowa, is looking over a new-born litter of 12 of his crossbred pigs.

Editorials

What Price Will You Get Next Year?

HOW would you like to see the market page of a newspaper dated July 1, 1948? Just long enough to see what hogs and corn will be worth then.

Every farmer has to figure a long way ahead. That's what farming is—long-distance planning, as well as hard work.

When you put in fall wheat, you are guessing at wheat prices next July. When you sort out gilts to hold for spring litters, you're guessing on hog prices in October and November of 1948.

How do you hog raisers make up your minds about how many gilts and sows to hold out for breeding this fall?

One thing is feed. There's no sense in trying to raise more pigs than you'll have feed for. And the feed now on hand or to be harvested shortly will have to run those pigs until corn harvest of 1948.

Another thing is the market. What will hogs be worth a year from now?

Exports don't play much part here. We aren't shipping as much pork out as we did in the pre-war period.

Our big hog production is being gobbled up at home by consumers, who are spending more money for pork than they usually spend.

How long will pay rolls and industrial production stay high? That's the big question for hog raisers.

Keep watching pay rolls. And, in the meantime, learn how to stretch your corn. Keep as many pigs coming as your feed supply will handle. A good feeder can make money even with high-priced corn.

Bring Her a Water System, Too

If Rationing And OPA Came Back

TWO city women in a meat market said to each other: "I wish we had OPA and price controls back."

How do farmers feel about it? The cost of things farmers buy have gone up less than hog and cattle prices, more than butterfat prices.

Price controls wouldn't work long without rationing. Would we be better off to have rationing and price controls again?

Many farmers would be doubtful. But city people might give it a big vote.

Should Your Boy Go Into Army Now?

DO you want your boy to go into the army for six months or a year of compulsory military training? Probably not. But every patriotic parent would say "Yes" if there was any sense in it.

There isn't any sense in universal military training of the old-fashioned type now being recommended.

The next war isn't going to be fought by huge masses of men. It will be fought by small bands of highly trained professionals who will drop atomic bombs, and send guided missiles thru hundreds of miles of air to destroy enemy strongholds.

There is no use wasting money and man-power to get ready for World War II. That war is over.

World War III is going to be different—and worse. Main object of any sensible policy is to prevent World War III. But we must protect ourselves if it comes.

The way to protect ourselves is to build up the air force, improve air-borne weapons, and recruit a skilled professional army that can get the jump on the enemy.

Many farm boys will continue to enlist in the professional army. They'll be useful. But a big draft army won't be.

We Give Them Licenses To Kill

"WHY pick on the old folks?" asks one farmer, who saw in advance our Wallace-Homestead Poll on page 22. In that poll, we asked Iowa farm people about making folks 70 and over take a complete physical examination before they get a driver's license.

We aren't picking on the old folks. Wallaces' Farmer and Iowa Homestead thinks everybody—not just old people—should pass a fairly stiff test before being given a driver's license.

One way to cut accidents is to get rid of drivers who have poor eye-sight or other defects.

How do we get rid of the chuckle-heads whose eyes are good but whose brains are weak? That's harder.

Testing eyes is easier than testing sense. But let's get to work on both jobs. And not only with folks over 70.

A Few More Babies; Lots More Food

EVERY time that some folks see a new baby buggy around, they say: "Our population is going up so fast, we'll never have food surpluses again."

They'd better take another look. From July 1, 1940, to July 1, 1946, the population of the United States rose 6 per cent.

From 1940 to 1946, farm production went up 24 per cent.

In other words, farm production went up four times as fast as population.

The birth-rate is rising again, in the usual post-war boom. But nobody need think it will rise fast enough to equal farm productivity.

Just more mouths won't save us from surpluses. It will take more mouths, backed by fat pocketbooks, to do it.

When Hog Prices Drop

Here's How You Can Get $8 Above the Market in 1951

YOU'VE probably often said: "I'd like to take $8 off the price of hogs now and put it back on when prices go down.

"I'd rather take $16 now instead of $24, if I could get $15 then instead of $7."

You can do just that if you want to.

And you don't have to wait for new farm legislation, or a new congress, or anything else.

You can do it all by yourself.

WHEN you sell your next batch of hogs, take $7.50 per hundred out of your check and buy U. S. Savings Bonds.

Actually, you'll take $75 from the sale of 1,000 pounds of hogs and buy a $75 bond that will be worth $80 in 1951 and $100 in 1957.

We don't know what hogs will be worth in 1951. But we'll bet on lower prices.

Suppose your hogs sell for $7 in 1951. Sell your bonds, and you can bank $15 instead of $7 per hundred.

You will have taken $7.50 off the price of hogs in 1947 and added $8 to the price of hogs in 1951.

Actually, you have done more than that. Other prices will be down by that time.

YOUR dollars will buy more four years from now. Save $7.50 this year, and get back $8 in 1951. But the $8 will buy as much then as $10 will buy for you now.

Actually, you will take $7.50 off the price of your hogs in 1947 and put back $10—in buying power—in 1951.

Maybe you won't need the money in 1951. Then hold until you do.

If you put $7.50 into U. S. Savings Bonds now, you'll have $10 coming back to you in 1957. And that $10 may buy as much as $14 will now.

You can almost double your money—so far as buying power is concerned—in 10 years.

DID you really mean it when you said you'd like to take the top off the high hog price now and apply it to the low hog prices that are bound to come?

You can do just that now if you want to do it.

War booms don't last forever. Hog prices will come down some day. This is the year that wise farmers pay debts and buy U. S. Savings Bonds.

Can You Afford Water In Home?

IF YOU had visited 100 farm readers of Wallaces' Farmer and Iowa Homestead in March of 1945, and asked: "Do you have running water in the home?" how many would have said "Yes."

Let's make it harder. Suppose that you visited 100 Wallaces' Farmer and Iowa Homestead subscribers who had electricity available, and who, also, in 1944, had sold $6,000 or more worth of farm products.

How many of those folks had running water in the home?

Just a little less than half, 48.2 per cent.

How do we know? The U. S. Bureau of the Census told us. At our request, and at our expense, the Census Bureau took a representative sample of names from our subscription list, checked them against census records, and told us what the average for the group was.

Why were only one-half of these farms equipped with running water? The war was on. You couldn't get supplies. Some were tenants, and couldn't talk the landlord into fixing up the house.

But the war's over, supplies are available, and landlords are getting more reasonable. A lot more farm homes should be getting water piped in now.

Is yours one of them?

Tractors Won't Run Out of Fuel

GASOLINE is being rationed—in a very mild way — in some of the states. Some farmers have got worried about what might happen if tractor fuel really got short.

Don't worry. There's enough fuel for farmers, even if we run into temporary and minor shortages.

There won't be government rationing of gasoline, so far as we can see. There is likely to be a little rationing of gasoline by oil companies. But your dealer will see that you get what you need.

Odds *and* Ends

WHEN the first killing frost comes, you can stop holding your breath. Meanwhile, plan what to do if the frost does come too soon.

WHEN you were shivering in early July rains, what would you have said if somebody had told you that this August would be the hottest in history?

ON JULY 5, we said editorially: "After a wet May or June, you are just as likely to get a dry late summer as not." At least, that was better than the prophecy we heard that this was to be another "year without a summer."

ARE you drinking dysentery or typhoid out of your well? And what about the well at the district school? See that the platform around the well is tight. And watch the drainage.

HOW to make farm meetings popular: Start them on time and quit early. Folks get tired of going to community meetings that take an hour to get started and never break up.

THE Wall Street Journal declared: "The greatest profiteer in the country today is the labor union, with the farmers a good second." But this, explains Iowa State College, was in 1919. Is that an echo we're hearing now?

DID your boy come home to the farm from the army, or did he get a town job? For the western corn belt as a whole, more boys—and girls—are going to town in 1947 than in 1940.

DO ANY Russian farmers think American farmers have horns and tails? They may have a chance to find out for sure if Charles Hearst, of Iowa, with the Farm Bureau tour of Europe, gets his wish and sees some Russian farms.

WOULD you be willing to accept food rationing again, on the war model, if it is necessary to help Europe get on her feet? That would mean about the 1944 standard, with 12 per cent more food per person to eat than before the war.

WOULD you be willing to go back to rationing of farm machinery so European farmers could get to producing again and wouldn't need gifts of food from us? Think it over.

DRY, hot weather has hurt pastures. Feed prices have reduced the grain fed to cows. But there is plenty of hay. Dairy product prices will look up this fall.

BACK from a trip to Europe, Harry Bullis, of General Mills, says: "I am convinced that the only way to defeat Communism is to make the lot of the common people more bearable—that is, improve their living conditions and permit them to purchase at least some of the necessities of life, especially food and clothing."

PRAIRIE fires started up again this month. On farms in South Dakota, farmers were plowing furrows around the buildings and starting back-fires, just as in the pioneer days.

NOBODY has seemed to want to rush a lot of hogs and cattle to market, in spite of drouth and high feed prices. Most farmers are marketing carefully, hanging on to good stuff, and avoiding sacrifice sales.

RAILROADS point to present high farm incomes as a proof that farmers won't be hurt if railroad rates go up. But when farm prices fall, those high rates would still be there.

DON'T get too excited about dams as a measure of soil conservation and flood control. If all farms had less than a run-off of an inch of water a year—as at the Clarinda experimental farm—there wouldn't be much flood trouble.

SAY "Nonsense" to anyone who claims our exports of pork are pushing up hog prices. Exports of pork in the last 12 months ending July 1, 1947, were only one-fourth of the pre-war figure.

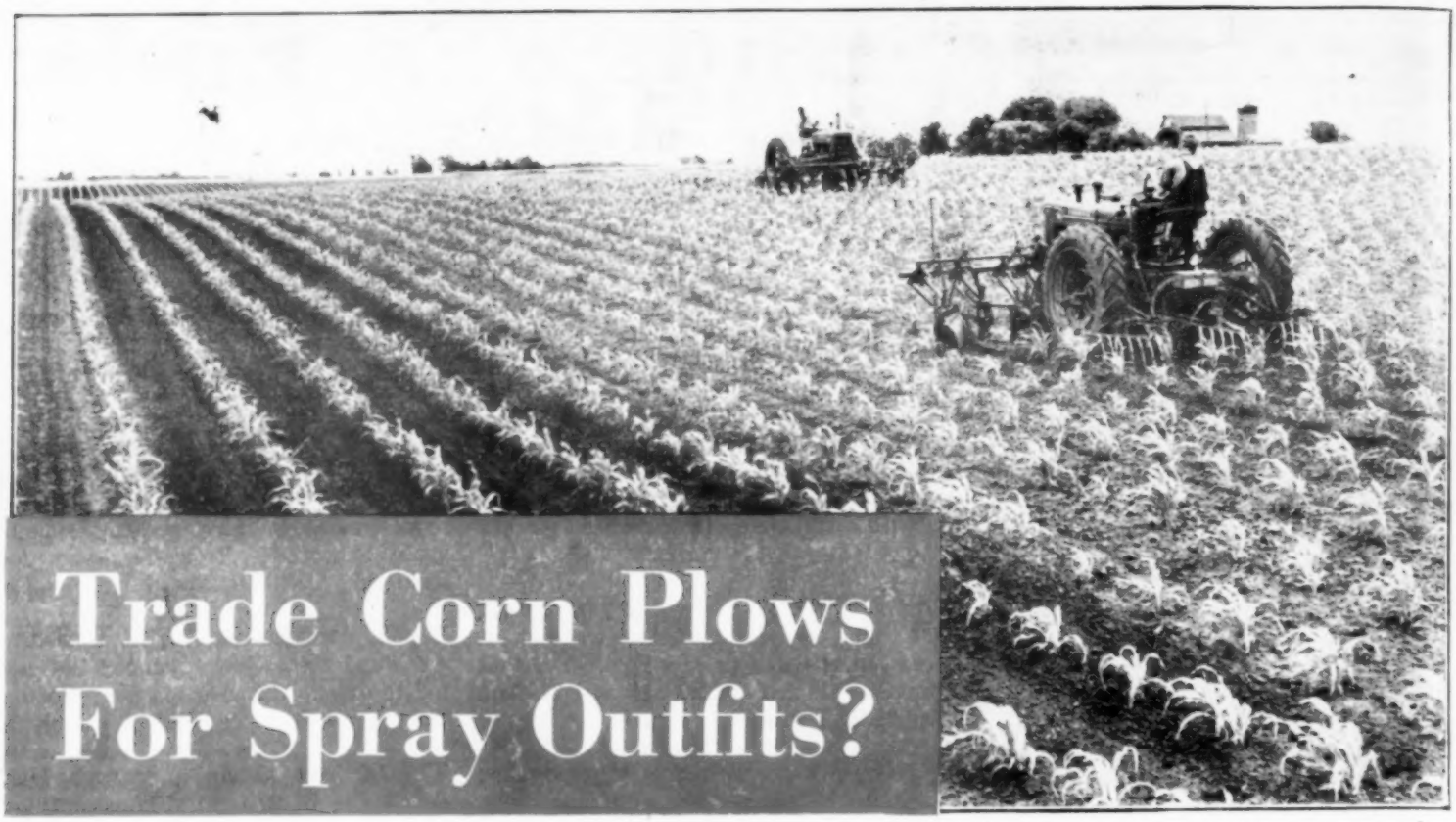
MORE hogs than usual may go to market in the first quarter of 1948, says R. J. Eggert, of the Meat Institute. And fewer hogs may go to market in the last quarter of 1947.

YOU'LL pay more this winter for some things because limits on installment buying have been taken off. Installment credit went up two billions in 1946, even with controls. Now watch installment buying zoom. That will make the crash all the harder when it does come.

Song of the Lazy Farmer

THERE are some folks who think, somehow, that fall is not the time to plow; they claim if you tear up a field there won't be anything to shield the ground when winds begin to blow and that a lot of soil will go a-washin' off like anything when it begins to thaw next spring. My neighbor holds that theory, he hasn't plowed a thing, by gee, he isn t working now a bit and then next spring he'll have a fit 'bout how he has to spend his nights with tractor all rigged up with lights, or else he'll moan because it's wet, and he can't start his plowing yet.

Now that is just plain bunk to me, there ain't a time when I could see that I had lost much soil at all because I plowed it in the fall; I've got my tractor and my plow a-workin' overtime right now, and then when April rolls around I won't be worried 'bout wet ground. Besides, each spring my hired man hunts up a new job if he can, so if the plowin' wasn't done I wouldn't have a bit of fun; I'd rather let him plow this fall before his job begins to pall, and I can do whate'er I wish and then next spring catch early fish.



Trade Corn Plows For Spray Outfits?

By HOMER HUSH

WHEN I was learning to plow corn with an old team of mares and a walking cultivator, in Montgomery county, Iowa, I had—like most farm boys—a lot of daytime dreams.

But I don't think I ever imagined that some day the farmer might spray the ground at corn planting time and never have to cultivate the corn at all.

Yet this is what is being talked about following field trials with 2, 4-D in 1947. In other tests, 2, 4-D has been sprayed on corn of all sizes up to tasseling, in order to check the weed growth.

That's a long step from the old, loose-jointed, tongueless cultivator that used to drive farm boys mad—or to city jobs.

Both farmers and agricultural college men are experimenting with 2, 4-D spray for killing weeds in corn fields. Reports are not final, but let's see what they have found out.

From Nebraska, Noel S. Hanson, of the College of Agriculture, reports farmers in that state have sprayed 2, 4-D on about 50,000 acres of corn this year. Both ground equipment and airplanes were used to apply the spray.

Farmers in Nebraska were aiming at cockleburs, sunflowers, velvet leaf, pigweed and kochia. They sprayed the fields after the corn was up and growing.

Hanson says weed control has been quite satisfactory, without damage to the corn, where the right amount of 2, 4-D was used.

"Grassy weeds," Hanson adds, "such as foxtail, barnyard grass, crab-grass and sand-burs, are relatively unaffected by any 2, 4-D, and have not been killed by the various sprays."

Hanson's report is on plant spraying, which is one of two methods in which 2, 4-D is used. The other method is "pre-emergence" spraying. By this method, the ground is sprayed before the corn or weeds are up. Sprouting of the weeds is stopped, but for some reason the corn comes up anyway.

In Harrison county, Iowa, corn three to four feet tall was sprayed with 2, 4-D by airplane. Other fields were sprayed in Woodbury county, Iowa, this year. A. L. Bakke, research professor at Iowa State College, looked at the sprayed fields in August after the spraying in July.

"The cockleburs and rag-weeds were killed," Bakke reported. He said he "examined the corn and saw little effect."

Bakke is hopeful about spraying the ground before the corn and weeds have come up. Experiments indicate that this method will control foxtail and other grassy weeds. As to pre-emergence spraying, Bakke concludes:

"Thru the use of 2, 4-D in combating weeds, we may have entered upon a new era in the matter of cultivation. It is clear that we can possibly eliminate the first corn cultivation entirely thru spraying."

Most agricultural college men are optimistic about spraying the ground to kill the weeds before they come up. By this method, the 2, 4-D is said to penetrate the ground about three-eighths of an inch. Weed sprouts would be killed in the tender stage.

C. J. Willard, of the Ohio experiment station, shares the general optimism concerning pre-emergence spraying in corn fields. But he brings out an important point when he says:

"Used as a pre-emergence spray, 2, 4-D will control crab-grass and foxtail as well as certain broad-leaved weeds. It will not control perennial weeds, however."

Then it would appear that to replace the cultivator entirely, there would have to be two sprayings in corn fields.

First, the ground would be sprayed before the corn and weeds came up. This would kill the grassy weeds and sprouting annuals. Second, the fields would be sprayed after the corn was growing, to set back perennial weeds such as Canada thistles, creeping Jennie and others.

But Willard isn't sold on spraying corn after it comes up, except in emergency situations. He bases his doubts on 1946 tests at the Ohio station, where rather heavy applications of 2, 4-D were "definitely damaging to the yield."

The emergencies which Willard thinks justify spraying growing corn with 2, 4-D are where wet weather prevents cultivation and weeds get away from the corn.

One example of this was the 18,000 acres of weed-choked corn in the Ohio river bottom lands, which could not be cultivated in June because of wet weather, and the weeds got as high as the corn.

"Results (of spraying with 2, 4-D) were remarkable," says Willard. About 20 other crop men agreed.

Is the corn cultivator on the way out? After studying the reports from a half-dozen corn belt experiment stations, I'm doubtful. For the time being, I think there is a more important question:

Can 2, 4-D be used along with the cultivators to help keep weeds out of corn fields?

Almost every farmer has some "weed emergencies" each year. There may be a patch of button-weeds or cockleburs or other broad-leaved weeds that get out of control. Or there may be Canada thistles or creeping Jennie in patches.

Tests are far enough along that you can afford to use 2, 4-D next year on these patches. Even if there may be some damage to yields, the damage might be less than weeds would do.

If you like to help with experiments, you might try low-down spraying of corn fields after the corn is well above the weeds. By this method, only the lower leaves of the corn will usually get the herbicide.

Or, you might try pre-emergence spraying of the soil on small areas. Agronomists generally are more hopeful about pre-emergence spraying of the soil than about plant spraying.

The result of these trials on farms will help decide whether 2, 4-D is an ally of the cultivator in the fight against weeds, or whether 2, 4-D is a substitute for the cultivator.

Dale Stull, Tama county, and Vic Taylor, Plymouth county, threw 92 ringers in their horseshoe pitching match. Taylor was runner-up in the singles contest, which was won by Joe Hill, of Hamilton county.

In Girls' shuttle race, some of the contestants discarded their shoes and stockings and ran barefoot. Girls at right are members of Dallas county team.

Thousands Compete At Sports Festival

HAVE you ever seen the annual Iowa Farm Bureau Sports Festival, at Iowa State College? You ought to see it.

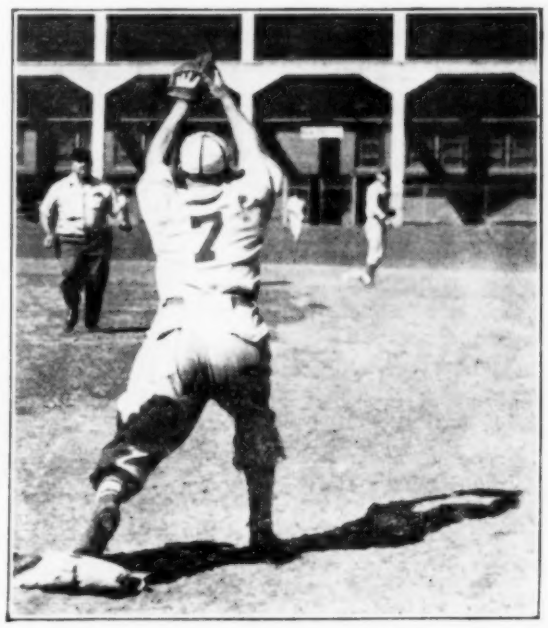
Imagine 31 baseball teams, 169 softball teams, square dancers, horseshoe pitchers, high jumpers, bowlers, checker players, trap shooters, pole vaulters, foot racers—3,500 farm men and women, boys and girls, all competing at the same time.

Webster county won this year's mammoth event, with Polk, Dallas, Linn and West Pottawattamie following in order.

Tug-o'-War always brings out husky contenders. Pete Kersten, in front, heaves for West Pottawattamie team.

Got Both Alex Shulte gets throw from Clarence Walters, for snappy double. They are on the Madison county team.

Softball Winners These members of the winning Tama county girls' softball team put on their war paint and feathers. That might have helped put the jinx on their opponents. Anyway, Tama won.



Stubble field becomes airport as Wallaces' Farmer and Iowa Homestead Reporter Merrill Gregory stops to visit Myron Hohnbaum (at right) in Grundy county, Iowa.

Bird's-Eye View of Corn

Some Reasons For Short Corn Crop Easy To Spot From Air

By MERRILL GREGORY

FORD WORK, who farms near North Liberty, in Johnson county, Iowa, probably knows more about his corn prospects than his neighbors do about theirs. That's because he oiled his windmill a couple of weeks ago.

That job put Ford up in the air where he could see the whole farm. So some fair-looking corn behind the barn or along the road hasn't fooled him. He's seen the thin and half-drowned spots that are helping cut Iowa's 1947 crop in half.

Last week, I spent two days looking at a lot of Iowa corn the way Ford Work did—from the air. This year, that may be the best way to see the difference.

On the ground, you can see the nubbins and bare tips where you had big, well-filled ears a year ago. But everybody has them. So how do you tell whether your corn is better or worse than the state average? (For the latest federal crop forecast for Iowa, see page 20.)

From the air, every little variation is easy to spot. Bouncing along low down, you can see those thin places. They look like bald spots on a thin head of hair.

You can see the dropped-stitch effect caused by missing hills. And you can see the weeds—or the lack of them. Color differences stand out like a sore thumb. Thin soil gives itself away.

A year like this, you can even come pretty close to guessing which fields were planted on sod ground and which weren't. And where the manure was hauled.

But you can't see the ears. And even at better than 100 miles an hour, you can't cover a very big chunk of a state like Iowa in two days. But here's what I found out:

My tour touched most sections except the southeast and west-central. With an occasional stop on a pasture, stubble field or landing strip, to make sure I could still believe what I saw.

Central Iowa has some of the biggest drowned-out spots in the state. But the corn looked green—not too much firing. I might have got that idea from the weeds. There were lots of them.

Even so, central Iowa seemed average. Most other areas were either better or worse.

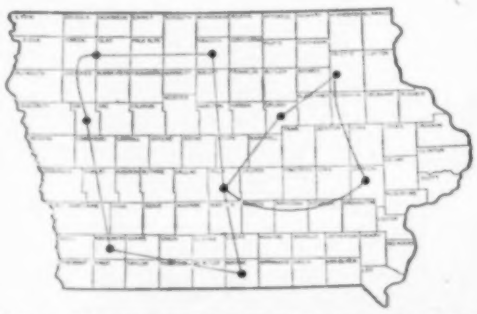
Northeast, the corn looked some better. A stop in Grundy county bore that out. Myron Hohnbaum's corn looked to me as if it might average out around 40 or a little more.

Farther northeast, the wet spots got bigger again. So did the weeds. In Fayette county, Ray Lauterbach had some checked corn he figured wouldn't even make good silage. Ray said there was better corn in his vicinity. But the average won't be high.

Down in eastern Iowa, most fields looked cleaner and not quite so spotty. But there seemed to be more firing.

In Johnson county, R. M. Work told me he figured the area average at around 25 bushels an acre. It looked a little better than that to me. But those thin spots can fool you.

Back thru central Iowa again was that average-looking corn. There were fair stands, not too much firing, but also those big seepy spots.



Map Shows route covered in two-day aerial survey of 1947 Iowa corn crop.

Farther north, the color began to shade off from green toward brown. Both the corn and the soybeans were more ragged. Drowned spots were bigger, and the firing was worse.

But by the time I landed in Clarence Greiman's meadow, near Garner, in Hancock county, things looked better. Clarence figured his average at 45 to 50 bushels an acre.

Farther west, the thin-land burning showed up again. All the way across northern Iowa, there seemed to be more firing. But stands on flat ground were more uniform, too.

Then I was over northwestern Iowa, and the colors had changed back to green. Thin spots were smaller and less frequent. This looked like some of the best corn in the state.

As I headed south, the corn continued to look fairly good. Except on the thin hilltops.

In the southwest corner of the state—Pottawattamie and Montgomery counties—the corn picked up a little. It was not quite as good as northwestern Iowa, but some better than in the central part.

Across southern Iowa, of course, the rolling land had suffered. Here was ragged corn again, with more hills missing. Still green, tho. And contoured fields seemed better.

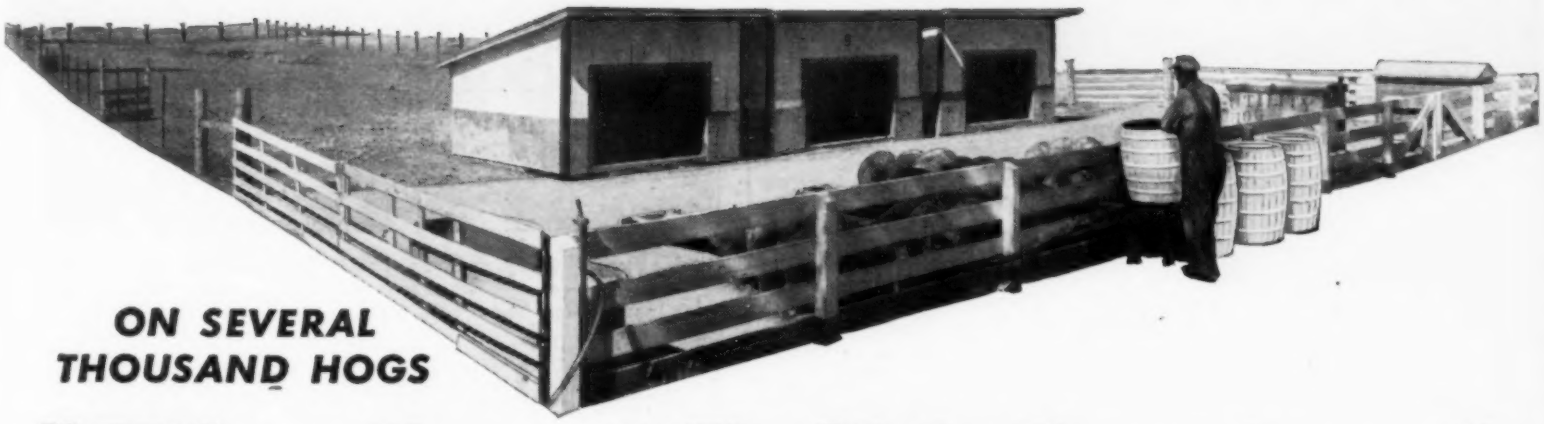
Getting dark and time to start home. A lot of territory still unseen. But, this year, a bird's-eye view told me more than a week on the ground could have.

Try it sometime. It beats working.

(For more about Iowa from the air, turn to page 61.)

Unhappy about his corn prospects was Bob Thorne, who farms near O'Brien-Clay county line in northwest Iowa. But his section is better than most parts of the state.

Want to SAVE CORN?



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32 POUNDS OF Semi-Solid PIG Emulsion

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FARM D-X SERVICE

MID-CONTINENT PETROLEUM CORPORATION
Waterloo TULSA Terre Haute

To Market Soon? Or keep them to eat that corn across the fence? These are questions for those with pigs soon to reach market size. These pigs are on a Hamilton county, Iowa, farm.

Feed Pigs To 300, Or Sell Light?

May Not Be The Year To Buy Corn For Hogs, Feed Conditions On Your Farm Good Guide

IF YOU have early spring pigs, they should soon be market size. That brings a question to the hog raiser every year. This year it is of more importance than normally.

Should I finish the pigs off quickly and sell early at about 200 pounds? Or should I feed to 300 pounds and sell a lot of corn on the hoof?

Answer in other years has been: "Sell in September or October if you can get spring pigs up to fair butcher weights." In so-called normal years, price of hogs has gone down in late fall. Loss in price more than offsets profit in putting on extra gains.

That may be the answer now. The hog price could go down. The corn crop is short. The hog-corn feeding ratio is not too favorable.

The August report indicates 100 pounds of live hogs were bringing the price of only 12.7 bushels of corn. Average for 1941-1945 was 15.4 bushels of corn for 100 pounds of hog, and the 30-year average is about 13.6 to 1. But there are other questions:

Will the new corn crop be marketable as grain without excessive discounts? Is it possible the kind of corn we will have would bring more in a hog hide than it would in an elevator?

You can get pretty fair answers to those questions the day after frost strikes. If you know then that you'll have soft corn, it will probably pay to keep enough hogs to eat it, no matter what the corn-hog ratio indicates.

Selling soft corn on the market usually means a big price dock. Lots of farmers took docks last year of 50 cents on $1.25 corn. The dock for moisture and spoilage would figure more this year.

If you attempt to keep high-moisture corn, there is a lot of work fixing cribs to dry it out. And there still remains the risk of spoilage.

Under what conditions would it probably pay to sell spring pigs as fast as they reach 200 to 225 pounds?

If you know your corn is going to be sound so it can be cribbed and marketed this winter or next summer, then it might pay to market hogs light. It is quite possible that hogs will go down as the spring pig crop starts to market.

If hogs went down $3 per hundred pounds, that would mean a loss of $6 per head on 200-pound hogs. There isn't enough profit made in putting on 100 pounds of gain at present hog and feed prices to offset a $6 per head loss.

If your corn crop will keep, but is so short that you will need all of the corn to feed the fall pigs and next summer's spring pigs, then your spring pigs should probably be marketed when ready.

This doesn't look like a good year to plan on buying corn to feed hogs.

Is there much chance that the corn-hog ratio will become favorable to bringing hogs to a heavy weight?

Corn would have to go down or hogs go up. It happened last year. Corn went down as the new crop went to market.

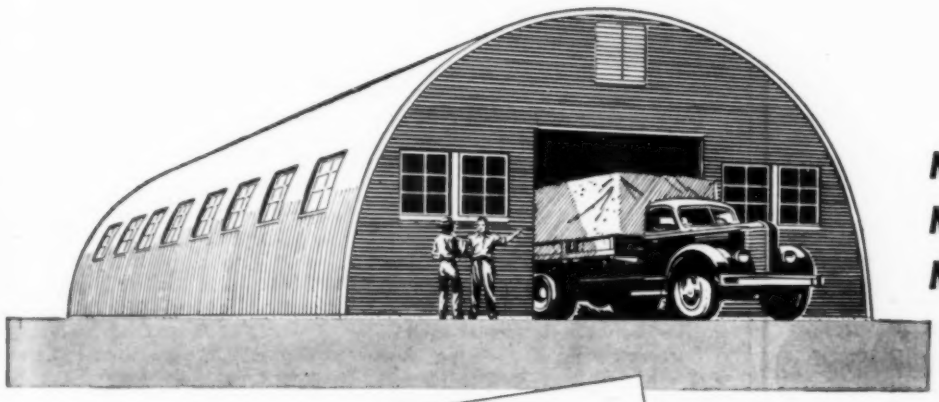
But last year there was a bumper corn crop. This year, the crop is away down from 1946 yields. Partly offsetting this is the fact that the reserve supplies of corn were low in 1946 and they are high this fall.

Hogs possibly could go up some more. But prices are around $30 now, and higher prices are sure to meet great resistance from consumers of meat.

These price movements are possibilities to be considered by the hog raiser in deciding when to market hogs. But for most farmers the question can be decided on things closer home.

Corn supplies and corn quality on your farm, along with livestock numbers, are the safest things to go by in deciding how big to make the hogs.

ALLOY *new* STEEL BUILDINGS



NEW QUONSET 40—NEW QUONSET 36—NEW QUONSET MULTIPLE—FRAMED WITH N-A-X HIGH-TENSILE STEEL FOR . . .

GREATER STRENGTH—50 per cent greater strength than ordinary steel.

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Yet—WITH ALL THESE SUPERIOR FEATURES THE NEW QUONSETS COST NO MORE THAN ORDINARY STEEL BUILDINGS

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The new Economy "40", low-priced companion to the Model "90", is a full-sized, sturdy hydraulic loader equipped with scoop-fork attachment. Also available for the "40" is a buckrake attachment.

At your dealers: write for literature.

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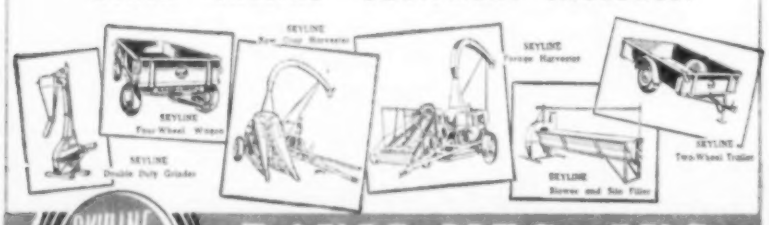


SKYLINE DAVIS MFG. INC. WICHITA, KANSAS

DAVIS MFG. INC.
Manufacturers of Farm Machinery
1521 McLEAN BLVD. WICHITA, KANSAS

Even With a power mower, it's hot work, but this method has the old hand scythe beat a mile, says George Jacobsen, of Hamilton county, Iowa. He's mowing a fence row at Lester Iverson's.

We Can Lick Soft Corn Problem

Farmers Suggest Many Ways To Handle Wet Corn; Proper Storage Will Prevent Spoiling

THE soft corn problem can be licked. Not by one big method, but by a lot of little ideas used in their proper places.

There's no one big answer that fits all farmers. But there are a lot of little answers.

Here are some of them, gleaned from dozens of Iowa farmers who have had soft corn before, from makers of corn drying equipment and from agricultural engineers.

First, let's define just where dangerous soft corn begins.

At 20 per cent moisture or below, you can safely store corn in good cribs without special care.

Ear corn from 20 to 25 per cent moisture can be stored in narrow cribs with good ventilation.

Ear corn with from 25 to 30 per cent moisture, picked late, can be stored during cold weather with small damage. That's the corn to feed this winter. It will heat when warm weather comes next spring.

Above 30 per cent ear corn must be dried before it's safe to store.

To find out where you stand means moisture tests before picking.

Get 20 ears from different spots. Shell two rows from each and seal in fruit jars. Get two samples from each field.

Then have someone run a moisture test for you. If it's a little too wet, delay picking. One good day in the field dries corn out as much as 10 days after it is cribbed. If you're feeding, pick the corn as you feed it for a while.

If you must start picking corn that has 20 to 30 per cent moisture, store it during the winter. You'll have to move it after the warm weather comes.

Maybe you can put it in narrow, temporary cribs and move it into permanent cribs next spring. Don't set up temporary cribs in a sheltered spot behind the grove. Let the wind get at them.

You can save most feed value from the worst of your corn by making regular silage.

Or you can cut it for fodder. Don't make shocks too big.

With fairly good corn that just doesn't get ripe, you might want to make ear corn silage. These methods fit a cattle feeding program best, of course.

Lots of little things will help save ear corn that's right on the border-line in moisture content.

Divide the field. Pick high spots or thin soil where corn is driest, first. Don't pick early and late every day like you usually do.

Pick only when husks and silks are dry. It will be worth a lot of turning to avoid mixing fairly dry corn with some that's pretty soft.

It will pay to put a man at the elevator to sort out the wettest ears as the corn goes into the crib.

Screen your elevator or remove a section from bottom of spout and weld rods to replace section. Do anything to fix elevator so shelled corn, husks, silks and dirt can fall out before corn goes into the crib.

Three times more air will move thru a crib of clean corn than thru a crib of corn as it normally comes from the picker.

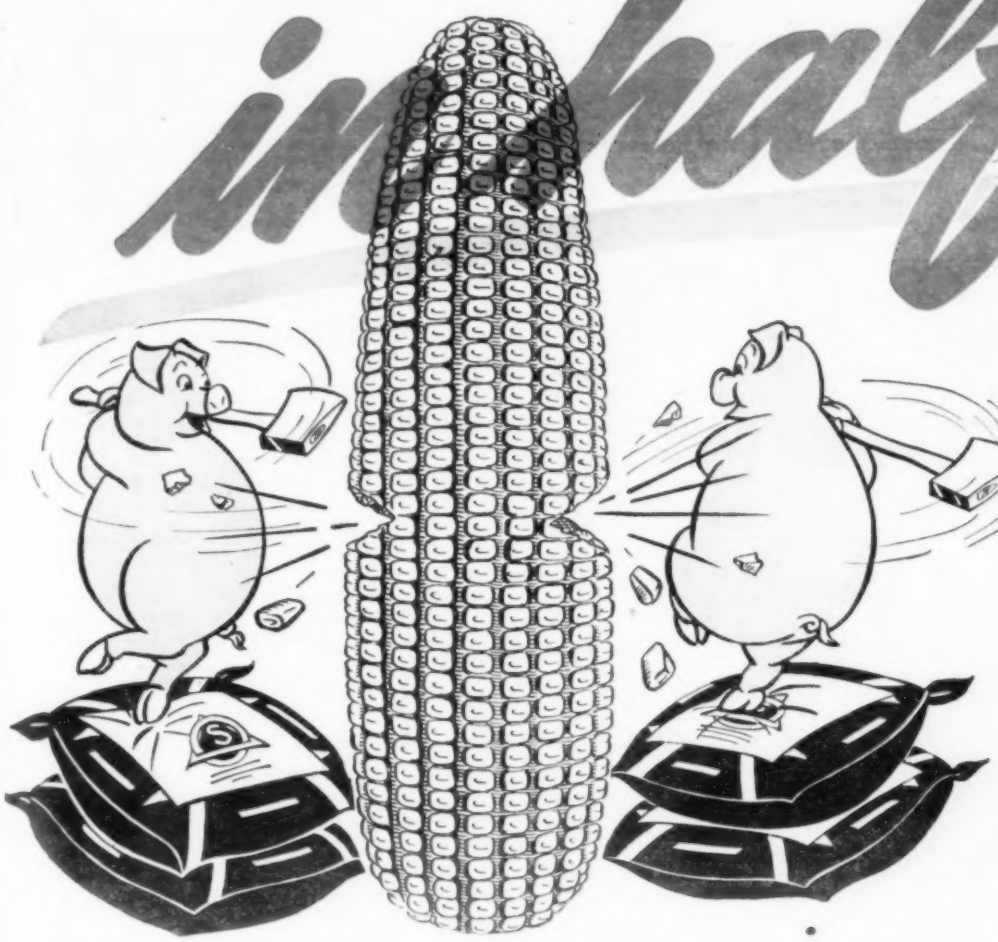
Move the elevator spout often. Leave driveways and sides of crib open this year.

Let's go back a minute. We've already started filling and haven't put in any ventilators.

We should have put these in first. Build them or buy them. You can use ventilating tubes and tunnels in temporary cribs as well as permanent cribs. They really help the flow of air.

HOG FEEDERS!

CUT YOUR CORN *in half!*



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"SARGETTES"

Sargent Minral Meal in convenient bite-size form. Easier to handle. Easier to feed. And the pigs sure like 'em. "Sargettes" are made from the famous, original Minral Meal formula. Ask your dealer to show you a sample.

Only Genuine Sargent Minral Meal Can Give You Minral Meal RESULTS

If there ever was a year when it paid to SAVE CORN, this is it. And for hog feeders, here is a sure, proven way to do it . . .

You can CUT YOUR CORN FEEDING IN HALF by balancing the ration with proteins, minerals, vitamins. One bushel saved out of every TWO . . . proven and re-proven now by tens of thousands of feeders. And, for that corn-saving supplement, farmers all over the midwest will tell you . . .

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It's all there in one bag, ready to feed. No mixing. Just put it in a feeder and the hogs balance their own rations.

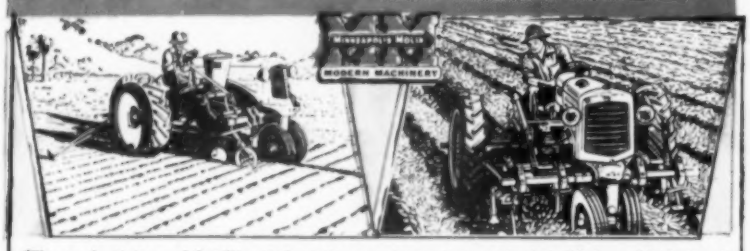
But for Minral Meal results, be sure you get genuine Sargent Minral Meal. Look for the name on the bag. There have been lots of imitations of Minral Meal, because of the wonderful record it has made in midwest hog lots. But its magic formula, the secret of blending those complex corn-saving elements, simply can't be duplicated by imitations. If you want Minral Meal results, don't take less than Minral Meal itself!

Cut your corn in half this fall and winter. Ask your Sargent dealer for the facts, or write for free corn-saving circular today.

Sargent Minral Meal

The Corn-Saving Hog Supplement

MODERN METHODS *Produce More*
WITH MODERN MACHINES

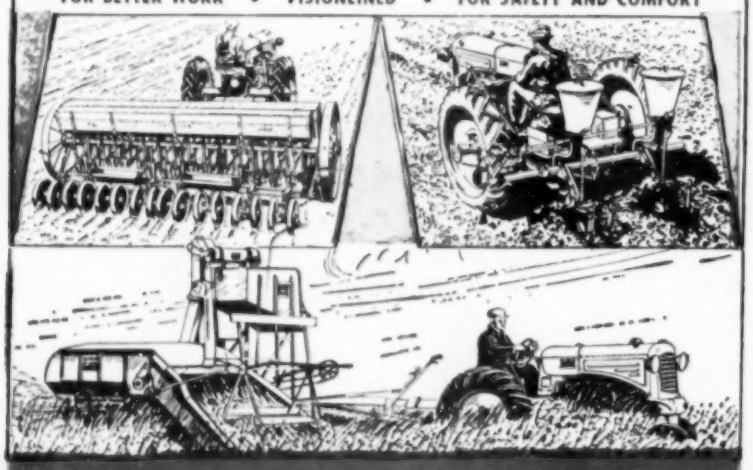


"The productivity and fertility of the soil are our most valuable natural resources. As a conservation measure, Modern Methods are being used by progressive farmers to assure a healthy growth of the industry that is basic to our economy—*agriculture*.

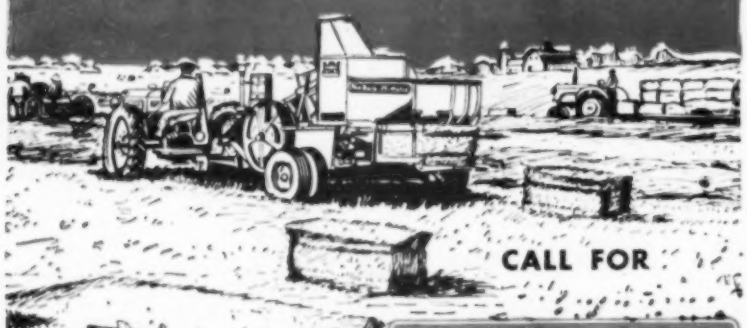
Farmers no longer "bleed" the soil by planting the same crop year after year on the same land without taking care that fertility is maintained. They realize that crop rotation is often a necessity—that diversification is economically sound—that the prevention of erosion is imperative, and that Modern Methods of farming retain and improve the fertility of the soil and assure them of a larger return on their investment.

MM MODERN MACHINES are designed to serve modern farmers. Their economy, dependability and versatility account for their wide acceptance by progressive farmers everywhere. That's why it may be difficult to get immediate delivery, but MM MODERN MACHINERY and Tractors are worth waiting for! See your MM dealer.

FOR BETTER WORK • VISIONLINED • FOR SAFETY AND COMFORT



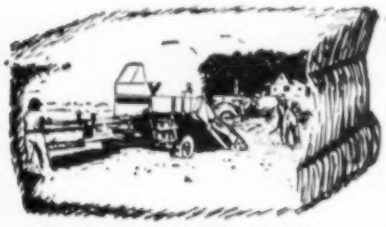
MODERN METHODS IN HAYMAKING



CALL FOR

The Bale-O-Matic

The BALE-O-MATIC picks up all the hay



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The new Bale-O-Matic picks up the hay, slices and ties it into firm 40 inch bales of a density and weight preselected by the tractor operator—the only manpower required. Bales are tied with two strands of steel wire while under compression and are counted as delivered from the rear of the machine.

Outstanding Features: Bale chamber, plunger and packer head and arms are all of steel welded construction. Knife steel sheer blade assures easy separation of uniform layers of hay. Hardened cut steel plunger and counter shaft drive gears run in enclosed oil bath. Roller chain driven drive shafts turn on roller bearings or bronze bushings and are equipped with safety spring release clutches. The light draft Bale-O-Matic is mounted on pneumatic wheels and is powered by a 4 cylinder "V" type air cooled motor.

For complete information on the many outstanding features of the Bale-O-Matic and other Modern MM MACHINES AND TRACTORS, see your MM Dealer. MM Modern Machine Tools for your farm factory means extra profits for you. MODERN MM MACHINERY IS WORTH WAITING FOR—BUT GET FACTS NOW.

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Thrifty Pigs, like those above, which E. W. Hinrichs, of Webster county, Iowa, is looking at, will keep right on gaining in weight on new corn, provided the change is made gradually.

Can New Corn Make Runty Pigs?

Start Cattle On New Corn, Say Feeders; But No New Corn As Cattle Near Finish

DOES feeding too much new corn make runty pigs or bring on an attack of cholera? Will the changing of fattening cattle to new corn slow down gains?

Farmers are asking these questions more this year than commonly. The answers are important when old corn is so high and new corn is slow about getting dented.

Hog raisers have found that pigs sometimes get scours when feeding of new corn starts. As scours accompanies hog cholera, too, and cholera often strikes in the fall, some used to believe that feeding too much new corn caused cholera.

Veterinarians say that new corn does not cause cholera directly. Cholera, they've found, is a virus disease. Hogs won't get it unless they are exposed to the virus.

But feed authorities say too much new corn will produce digestive troubles. These disturbances result in scours. Pigs weakened from scours might have less resistance to cholera germs than pigs that were in healthy condition.

This indirect effect is the only way overfeeding new corn is now thought to influence cholera attacks. Pigs weakened from overeating new corn might be vulnerable to other pig diseases, too.

Some farmers have reported that pigs going off-feed on new corn became permanent "poor-doers." They never recovered from the digestive disturbances.

When that happens, new corn feeding troubles cause a big loss. They are something to be avoided even at the cost of extra labor.

"Wait till new corn is well dented; then give each pig one ear a day to begin with," says a Kossuth county, Iowa, hog raiser. He increases new corn one ear a week.

For pigs of 75 pounds or more, that would probably be gradual enough to be safe from causing digestive troubles. But some corn may not be dented when frost strikes. Some farmers may have to feed corn before it is dented.

Start by feeding stalk and all, is some hog raisers' method. This works particularly well where the pigs do not have green pasture. Some like to run the green corn thru a cutter.

But even when soft corn is fed stalk and all, the change from oats and old corn should be made gradually. It's very risky, many hog raisers say, to turn pigs into late corn fields without first getting them used to new corn.

Cattle feeders have definite ideas about feeding new corn to cattle which are nearing the finished stage. Any kind of a change of feed during the last month or two is considered inadvisable.

But if any changes are made in the feed of cattle which are near the finish line, the changes should be toward more concentrated feeds rather than toward bulky and loosening feeds. That rules out new corn.

But for starting the cattle on feed, new corn is favored by many of our most experienced cattle feeders. Chopping the corn stalk and all is probably the method which is most favored where the cattle feeders have the chopping equipment.

By chopping the corn, the feed value in both stalk and ears is saved. Less hay or pasture is required. If the cattle are to be fed silage, and fattened largely on roughage, the change can be made gradually from chopped green corn to silage.

Some farmers like to grind even fodder for feeding to cattle. This can be done by farmers who do not have silos.

PIONEER OFFERS WIDE RANGE OF MATURITY

No matter where you farm in Iowa, Pioneer produces ***any maturity*** of corn you need. You can choose the maturities you want from 28 superior Pioneer hybrids . . . ranging in maturity from ***very early*** to late.

If you want earlier or later corn than you planted last spring, Pioneer produces it. Perhaps you feel that 1948 will continue in the cycle of short seasons we have had in recent years. If you wish to change to earlier corn next spring, then order earlier maturing Pioneer varieties. Pioneer hybrids differ in maturity as much as 26 days from the earliest to the latest variety.

Pioneer carries on a ***never ending*** breeding research for ***better*** corn. That's why it can offer you a large selection of hybrids and a ***wide range*** of ***maturity.*** It conducts its corn breeding work in ***eight*** Pioneer corn breeding stations in the Corn Belt. From these stations come a steady flow of superior ***early maturing, medium maturing*** and late maturing Pioneer hybrids to answer practically every local soil and corn growing problem.

Your local Pioneer representative can advise you about the hybrids which have been getting ripe in your locality. If you want earlier or later varieties, they are yours for the asking. He can give you any maturity you wish . . . from ***very early to late*** corn. If he hasn't yet contacted you, he soon will.

Place your order ***now*** for next spring's supply of Pioneer hybrid seed corn.

PIONEER
QUALITY HYBRID SEED CORN

Now! in block form

Mineral feeding hits a new high in ease and economy with Swift's Mineral Supplement in *block form*. Perfected by Swift for cattle, horses and sheep, the new mineral block meets these strict specifications:

—It's soft enough so animals get their mineral quota easily.

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—It's easy to handle and store; easy to feed.

Swift's Mineral Supplement Block is not a salt block. In formula and quality, the block is the same as the familiar Swift's Mineral Supplement in pulverized form. *Both* provide all the mineral elements livestock are known to need.

The block is held together by a palatable molasses binder. It contains no fillers or waste. Every ingredient is selected for its high feeding value.

There are many minerals on the market today at a great range in price. But, by bag or block, you'll find that it's more profitable to feed Swift's Mineral Supplement. Its higher feeding value gives you the best results.

SWIFT'S MINERAL SUPPLEMENT
furnishes these ten profit-making elements

Manganese—for healthy growth	Chlorine—for good digestion
Iron—for red blood	Calcium—for sound teeth, bones
Copper—for mineral balance	Phosphorus—for fast growth
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By Bag or Block...
More mineral for your money!

Order today from your feed dealer or nearest

SWIFT & COMPANY PLANT

Workday Pointers

Helpful Suggestions For Farmers

CHUNKS OF SOD placed in the farrowing pens are an insurance against anemia in little pigs.

▲ ▲ ▲

TRENCH SILOS can be built with the machinery from an ordinary farm in about two days' time.

▲ ▲ ▲

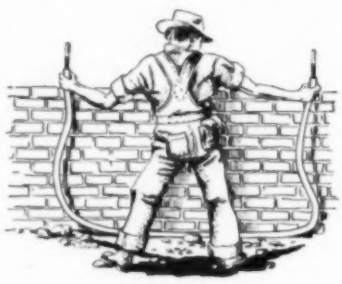
SOYBEANS push harder against the walls of bins than do other grains. Save your best bin to store beans, and brace the walls well.

▲ ▲ ▲

THE GARDEN is one place where all trash from the season's crop should be raked and burned or made into compost. Risks from disease and insect damage are too great when the crop residues are plowed under. For the garden, organic matter should be supplied from manure or compost.

▲ ▲ ▲

LEVELING of foundations or cement forms can be done with a garden hose equipped with a glass section at each end. Fill the hose with water until the water rises part way in each glass. The water will stand at true level if there are no air bubbles or kinks in the hose, and if the water is the same temperature in each end of the hose. The advantage of this kind



of a level is that readings can be taken at any point the hose will reach. In just a few minutes, all points on a wall or form can be leveled to the corner selected as the base.

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AIR LEAKAGE thru the walls is the biggest risk in upright temporary silos. Preventive measures are to use woven wire that has no kinks, and build the silo level, so it will settle straight down.

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FROST BEFORE maturity cuts the yield of soybeans, but frost does not hurt the quality of soybeans as much as frost hurts corn quality. Frosted beans will go on the market as soon as they become dry.

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HAIRLESS PIGS are the result of iodine deficiency in the sow's body. Lack of sufficient iodine in the sow's system may be the result of (1) lack of iodine in the soil of that area, and hence no iodine in the feed and water, or (2) diets too high in calcium or fat may prevent iodine absorption into the sow's system.

▲ ▲ ▲

CATTLE which have been on dry pastures for a long time may suffer from Vitamin A deficiency. Night-blindness and swelling of the legs and fore-quarters are symptoms. Feed them green hay or codliver oil.

STOP THE LEAK in the water tank before you fill the mudhole with dirt.

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SOYBEAN STRAW from an average crop of beans contains about 30 pounds of nitrogen, three pounds of phosphorus and 11 pounds of potassium. Burning destroys the nitrogen.

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READ THE LABEL on the can when you buy paint. Linseed oil is the best carrier for the paint

pigment. White lead is the best pigment for white paint. Iron oxide is best for red barn paint. Durable paints may contain some other materials, but they will have a large per cent of the materials named above.

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CUT FODDER when the corn is glazed and the leaves are turning brown in spots. If frost comes before that stage is reached, cut the corn the day of the freeze if possible.

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PIGS in the farrowing pen have already cost you the price of about 150 pounds of high-priced feed. The only way you can get paid for that feed is to make the pigs live to go to market.

▲ ▲ ▲

MORE GRASS is the need of most farms in the corn belt. Therefore, you should think several times before you plow up a new stand of clover.

▲ ▲ ▲

SCOURS and pneumonia in young calves may be caused by a deficiency of Vitamin A in the ration. Feeds that will provide this vitamin are the first milk from the cow, green, leafy hay, or codliver oil.

▲ ▲ ▲

SEPTEMBER is the month to inspect chimneys and make repairs if necessary. Farm fires have been caused by sparks that got thru the chimney walls at the roof

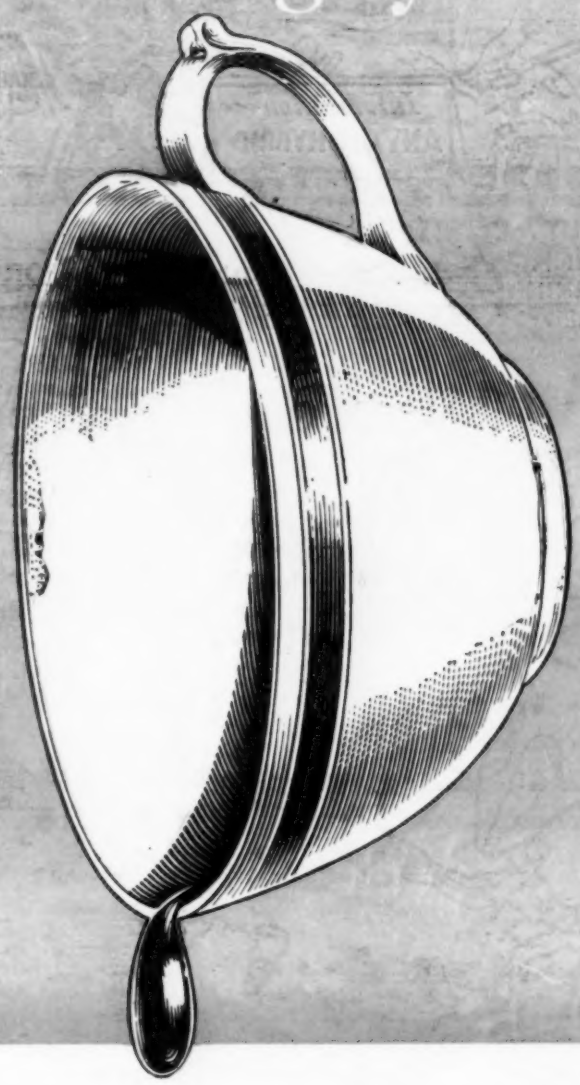
line. When mortar is gone and bricks are loose, the chimney head should be rebuilt down to a point below the roof line.

▲ ▲ ▲

FEEDER CATTLE bought on the markets or ranges, and brought to your farm, should be counted and individually inspected every day for two weeks after they arrive. Isolate at once any animal that appears to be sick or off-feed.

Only one coffee brings you

"Good to the Last Drop" Flavor



So much more for so little more –no wonder more people buy MAXWELL HOUSE than any other brand of coffee –at any price!

NEWS! NOW IN INSTANT FORM TOO!

Products of General Foods

LOWE

Improved Hybrids

CORN QUIZ: Can you recognize the diseases and insects that attack corn and do you know how to control them? . . . Can you tell what your soil needs from the appearance of your corn? . . . Do you know how to increase corn yields from 50 to 120 bushels per acre?

THE ANSWERS: These and many other vital questions about corn and corn growing are answered **in pictures** in Lowe's new 1947 "Corn Facts" Book. It also pictures and describes each of the newer Lowe Improved Hybrids.

FREE: Costs you nothing! Just send your name and address for free copy, Lowe Corn Facts Book.

Dealers Wanted

Lowe Seed Company, General Offices, Aroma Park, Illinois
Associate Producer: Pike Hybrid Corn Co., Pontiac, Illinois

Moisture was hard to find in Iowa corn fields during the hottest August in Iowa history, in spite of the fact that June was Iowa's wettest month. John Schoep, Plymouth county, Iowa, got an inch of rain in mid-August. But it wet down only about four inches.

Wet June, Hot August Cut Corn Crop

Smallest Corn Crop Since 1936 Expected To Yield 28 Bushels for the Nation, 35 in Iowa

WHAT sort of freak season was it that made the smallest corn crop since 1936? That's a question being asked by farmers and others as they've considered the government crop report for September 1.

The United States corn crop was estimated to total 2,403,913,000 bushels. That total is about 27 per cent below the 1946 crop of 3,287,927,000 bushels.

The national corn crop is 15 per cent below the 10-year average for the years 1935 to 1946. It is 7 per cent below the average of the five pre-war years from 1937 to 1941.

The loss in the national corn crop this year, compared with the 10-year average, is 441,000,000 bushels. The loss is equal to what was considered a good Iowa corn crop in pre-war years.

The Iowa corn crop is estimated at 347,340,000 bushels. This total is a little over half of the 1946 total of 661,620,000 bushels. It is about one-third below the 10-year average for the years 1937 to 1946.

The estimated yield per acre is 35 bushels for Iowa and 28.5 bushels for the nation. Last year's Iowa yield was 60 bushels and the national average was 37.1 bushels. The Iowa average for the 10 years, 1937 to 1946, is 52 bushels, and the average for the nation is 31.5 bushels.

The corn crop may be pretty good, considering the fact it was hit by every kind of bad weather.

First, the season was wet and cold. May and June in Iowa were almost 4 degrees below normal. May was moderately wet, June, with over 10 inches of rain, was the wettest month in the 74-year Iowa Weather Bureau records.

July turned dry, but stayed cool. Average temperature was 2.2 degrees below normal. Rainfall was about half of normal.

August, 1947, was the hottest August in Iowa records. Rainfall was only 1.58 inches—less than half of normal. Average rainfall for August is 3.77 inches for Iowa.

A May and June as much as 4 degrees below normal has always meant a high percentage of soft corn. The crop was late all summer. But extremely hot weather beginning in late July reduced the likelihood of frost damage.

The nation's wheat crop is estimated at 1,408,602,000 bushels—the biggest on record, topping the previous record of 1,155,715,000 bushels last year.

The first billion-bushel wheat crop was produced in 1944. Each crop since has topped the record of the year before.

Oat production was down from 1946 for both Iowa and the nation. The U. S. crop is expected to be 19 per cent below 1946, but the total crop will still be above the 10-year average.

Iowa oat yield per acre is estimated at 33 bushels—five bushels below 1946. The total crop is about the same as the 10-year average, but 15 per cent below 1946.

The Iowa soybean crop is estimated at 30,719,000 bushels, compared with 34,960,000 last year. For the nation, the soybean crop is down about 8 per cent.

E. E. Smith of Clear Lake, Iowa, comes out money ahead, same way *you* can!

"When I find *top-quality* lubricants at prices that mean *worthwhile savings*," says E. E. Smith of Clear Lake, Iowa, "that's what *I* call a *deal!*

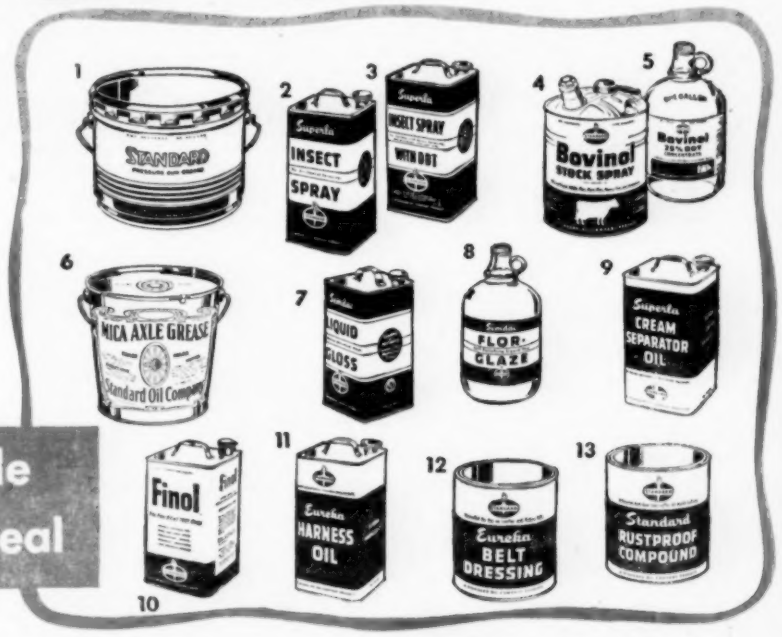
"And *that's* the kind of deal I just made with our Standard Oil Man. I have all my motor oils, greases and other Standard Oil products delivered right at my door—and I save $12.97 in the bargain!"

Step up and take a bow, Mr. Smith—that's good management!

You have plenty of company, too. For example, early this year John V. Mitchell of Plymouth, Indiana, saved $8.25 . . . and M. C. Sand of Kindred, North Dakota, saved $27.06! And so it goes . . . midwest farmers by the hundreds of thousands can report similar savings.

And here's why we say it's good management to get in on this deal. You get quality products. You get products you are going to need and use. You have them delivered when you want them. You pay only on delivery and you save as you pay. You get attractive discounts by placing your order in advance.

Ask *your* Standard Oil Man for the details of this money-saving, trouble-saving plan. Ask him today!



All these fine products available in Standard Oil's Special Farm Deal

PERMALUBE—Standard's newest, finest motor oil; gives premium-plus lubrication; does more than lubricate thoroughly—it cleans engines, keeps them clean, protects against bearing corrosion.

ISO-VIS—High-quality, long-lasting motor oil; contains a special anti-sludge, anti-varnish ingredient to keep your engine clean.

POLARINE—Medium priced motor oil; lubricates safely. Has engine-cleaning properties that help keep engines clean for long periods.

1. Standard Greases—Right type and grade for every purpose.
2. Superla Insect Spray—Exceeds National Bureau of Standard's grade "AA" requirements.
3. Superla Insect Spray with DDT—For spraying on walls, ceilings, etc. Keeps killing for weeks.
4. Bovinol Stock Spray—Cuts milk losses caused by flies.
5. Bovinol 25% DDT Concentrate—Mix with water for spraying barns and stock.
6. Mica Axle Grease—For hog greasers as well as wagons and skids.
7. Semdac Liquid Gloss—For woodwork, furniture, unfinished wood floors.
8. Semdac Flor-Glaze—Self-polishing wax for linoleum, composition and finished wood floors.
9. Superla Cream Separator Oil—Also used for oil-bath gears in windmills.
10. Finol—Useful in "1001" ways where a light, fine oil is needed.
11. Harness Oils—For both black and tan harnesses.
12. Eureka Belt Dressing—For canvas aprons of combines, binders and headers, and for corn husking mittens, as well as for belts.
13. Standard Rustproof Compound—Protects metal equipment against rust, in any weather.

STANDARD SERVICE

STANDARD OIL COMPANY

NEW Twin Draulic

Model "C" All Purpose Loader

Amazes Fair Visitors Who Ordered at New Low Prices

No other Hydraulic Loader offers SO MANY FEATURES in fast, easy loading, scraping, lifting and carrying. Try a new Model "C" Twin Draulic All Purpose Loader on your own tractor and on your own farm.

Thousands of farmers watched the Twin Draulic demonstrations at the leading Fairs. They had an opportunity to compare the New Model "C" Twin Draulic All Purpose Loader with others and see for themselves how it scooped, lifted and dumped smoothly. They saw how this loader was mounted in a few minutes on practically any row crop tractor. They saw how more of the lifting load was balanced on the rear to give more traction and more power. The low price on this streamlined new loader surprised them.

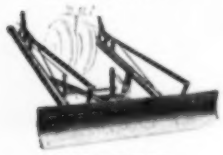
FREE Use For Snow Removal

1. Let the Twin Draulic do your manure loading now.
2. Besides the many other jobs you'll have it for snow removal too.

Lifts MORE

FASTER EASIER HIGHER

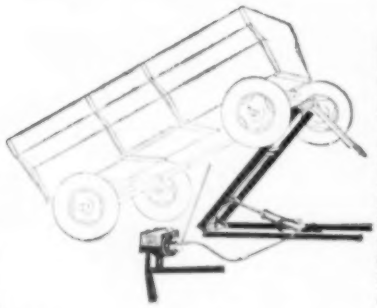
No farm tractor is doing a full job unless it is saving work and time loading manure, cobs, dirt, snow and grain—pulling fence posts—putting up hay—filling ditches and other farm work. Don't guess about loader satisfaction. Because the Twin Draulic is so quickly and easily mounted or dismounted on your tractor, you can see for yourself how it does most all of your hard loading and lifting jobs. YOUR SATISFACTION IS GUARANTEED. See how Twin Draulic power is as smooth and powerful as a freight elevator. How the stabilized hydraulic action delivers more power at the start of the lift. See how the Twin Draulic lifts faster, easier, higher. (Lifts one ton 10½ ft. high.) See how most weight is placed on the rear wheels for easier steering—less strain on the front—more traction in wet conditions. See your dealer or send the coupon.



BULLDOZER

Reinforced — clears roads, does filling, grading and terracing. Scrapes barn lots, etc.

NEW Hand Hydraulic WAGON JACK



Hand Hydraulic action

Dumps any loaded wagon in a few minutes

Easy to pump

Gives more years of service

Saves hours of scooping

Here is the new, high powered, hand hydraulic Wagon Jack now offered to farmers. Sets flat on the ground or floor. The hydraulic cylinder is powerful, easily operated with the hand pump to dump practically any size wagon. Send the coupon for free circular and low price or see your dealer.

Farm Elevator HOIST CRADLE

Compact, portable, gives extra clearance for any wagon or truck. Lifts front end quick and evenly. All steel construction. Used with any old or new elevator.

SAVE WORK UNLOADING

Hydraulic unloading saves valuable truck or tractor time and hours of hard scooping—lowers costs whether you own or hire the truck.

Wagon Trailer DUMP

TWIN DRAULIC Wagon and Trailer DUMP has trouble-free, powerful construction. Easily coupled with the hydraulic pump on the tractor. . . . Fits any 4-wheeled running gear and box. . . . Gives a 7 ft. lift. Rear clearance, 20 inches. Send coupon.

Twin Draulic

TRUCK DUMP

The only hydraulic dump especially designed for the farm truck and general hauling operation. Heavy duty hydraulic cylinder centered under the truck body hoists the load smooth and FAST. Quickly installed. Send the coupon today for prices.

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Check Up on older people for automobile drivers' licenses, says G. J. Beyer, a farmer living in Sioux county, Iowa.

She Won't be 70 for a long, long time to come, Mrs. Kenneth Bales, of Warren county, Iowa, votes for check-up.

Is Grandpa Menace On Highway?

Some Are Good Drivers at 70, But Most Farmers Think Older Folks Need to Prove Their Ability

WHY pick on Grandpa? Is it Grandpa or Junior that is piling up all those wrecks on the highway?

In earlier polls, a majority of Iowa farmers have asked that all examinations for drivers' licenses be stiffened up.

But where should we start? To find out what Iowa farm people thought of the need of a complete physical examination of drivers of 70 and over, the Wallace-Homestead Poll put the question shown on this page.

The vote was three to one for a complete check-up for the older drivers.

But nobody had the notion that such a move would take anywhere near all the poor drivers off the road.

"You could pass a physical examination and still be careless and a poor driver," said an Ida county farmer. "Passing the examination wouldn't prove a thing."

But another man in the same county declared:

"Old people don't think or act like when they were young. Better check up on them. Some drive half-way in the middle of an intersection and on the wrong side of the road."

"Older folks have as much right on the road as a six-year-old with a bike," said a farm woman in Tama county. "If you take 70-year-old drivers off the road, then take off all bikes and motor scooters with drivers under 15."

But the majority of those interviewed agreed with the Monroe county man who said:

"Yes, a person 70 or over should have a complete examination before being issued a license. At that age, their eyes can rarely judge distance quickly enough."

But an 80-year-old man in Johnson county declared:

"It isn't us old fellows who need an examination, it's the young folks. Some of these young folks don't have any road manners at all."

A Clay county woman insists: "My husband could not pass a physical examination, but he's a better driver than some of these high school kids. He is careful and they aren't."

Other comments follow:

"Lots of people shouldn't be driving—they are subject to heart trouble or their eyes are not too good."—Ida County.

"Older people aren't usually on the road to burn gas. They usually are headed for some place, and when they get there, they stay until ready to go home, and go home carefully."—Tama County.

"I see many men and women

WHAT---NO DRIVER'S LICENSE?

The Wallace-Homestead Poll asked: "Do you think people 70 and over should be refused a driver's license unless they pass a very complete physical examination to prove their fitness?"

	Total	20-29 yrs.	30-49 yrs.	50 and up.
Yes	69 pct.	76 pct.	69 pct.	63 pct.
No	23 pct.	14 pct.	22 pct.	30 pct.
Undecided	8 pct.	10 pct.	9 pct.	7 pct.

A WALLACE-HOMESTEAD POLL

WOMEN ALSO VOTE "YES"

Farm women voted much as did the men in favor of physical examination for drivers of 70 years and over.

But some brought in minority reports. One Palo Alto county woman said:

"No. They shouldn't be refused a license. Some are a lot better drivers than our reckless young people."

And an Ida county woman insisted:

"Some at 70 drive better than young ones. You never see an old man open up a car and go!"

over 70 driving cars, and they are very careful drivers. They are folks who have driven most of their lives."—Cherokee County.

"I definitely think that people over 70 should have a complete physical examination before being issued a driver's license. It would be for their own benefit, as well as for the benefit of other motorists."—Kossuth County.

"All older people should have a complete examination. Too many are driving now who completely ignore all signaling. Eye tests should be given at least every year."—Jones County.

"If a person has driven for years, I would say let him go right on driving. People of that age do as well or better than lots of the younger folks." — Clayton County.

"Don't limit the examination to folks over 70. Some folks as young as 50 need it too."—Linn County.

"Often older drivers don't realize how much they have lost in eyesight and control. A complete physical would prevent many accidents."—Cass County.

"Many older drivers do better than some of these young nuts."—Mahaska County.

"Why should people over 70 be required to have an examination? They have been driving cars a long time, and have all kinds of experience."—Buchanan County.

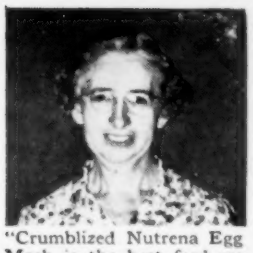
"Take the right to drive from folks over 70 and you take away all they have left to live for."—Tama County.

No License needed to drive this outfit. This farmer, in Mills county, Iowa, drives four miles to his market town and back behind his team.

"In less than a month after we started feeding Crumblized Nutrena Egg Mash our layers came out of a slump and production went up to 85% and stayed there. Nutrena is easier to feed and there's no waste."—*Mrs. Curtis Brensdal, Route 3, Menomonie, Wis.*

"I averaged 25 more eggs per hen per year after I switched to Crumblized Nutrena Egg Mash. They ate less feed, drank more water and held their body weight better on Crumblized Nutrena Egg Mash."—*Mr. Clarence Schmidt, Rt. 1, Wayzata, Minn.*

"I think Nutrena is the best egg feed of all because I get such good results. I haven't fed any other feed for seven years and my hens average 60% production and go as high as 75%. I'll not go back to mash!"—*Mrs. Fred Henninger, Route 1, Ft. Cook, Nebr.*



"Crumblized Nutrena Egg Mash is the best feed we have ever fed. We get up to 85% egg production with Crumblized Nutrena, it is easy to feed, there's no waste and the pullets like it better than any feed we have ever used. They do better too!"—*Mrs. Ernest Overman, Rt. 1, Trenton, Mo.*

MEET JUST A FEW OF THE SUCCESSFUL POULTRY RAISERS WHO SAY:

"We Choose Nutrena! FOR BIG EGG PROFITS!"

"When we switched to Crumblized Nutrena Egg Mash our egg production increased from 25 to 50 eggs per hen per year. I use the University Farm Management Service and during the time I've fed Crumblized Nutrena my egg production has been above the average."—*Mr. Robert E. Miller, Dawson, Ill.*

"Our egg production went up to 75% with Crumblized Nutrena Egg Mash and has never dropped under 50%, even though they've been in steady production for 10 months. After feeding Nutrena I couldn't change to any other feed."—*Mrs. Harry Curtis, Rt. 3, Elk Mound, Wis.*

"My records prove I make more profit with Crumblized Nutrena Egg Mash. My pullets drink lots more water than before, lay more eggs, and stay in better health. I don't keep a pullet that doesn't average 3 eggs every 4 days."—*Mr. Wm. W. Johnstone, Rt. 3, Excelsior, Minn.*

"Nutrena gives us more eggs than any feed we ever fed. We buy one-fourth less feed than when we fed mash. Our production went up from a 60% average to 77%. There's just not a bit of waste with Nutrena."—*Mrs. Charles Dahlberg, Rt. 1, Wagner, S. D.*

"My hens eat Nutrena so well and drink so much water they just naturally lay more eggs. There's no waste. Nutrena gets me lots more eggs than other brands."—*Mrs. Henry J. Green, Rt. 1, Council Bluffs, Iowa.*

..and Here's Why..

You know from experience that your layers must get plenty of good egg-producing feed if you are to get high egg production at low feed cost. Your hens can eat only so much and what they eat must be packed with scientifically-proved ingredients properly balanced to maintain body weight and still leave plenty for producing lots of fine big eggs.

Crumblized Nutrena Egg Mash is scientifically designed and prepared to meet body needs—AND supply the extra proteins, vitamins and minerals hens need to give you lots of eggs. But that's not all! Crumblized Nutrena eliminates the pick-and-choose habit. It does not cling to beaks, helps keep drinking fountains clean.

Just feed Crumblized Nutrena 50/50 with your farm grains . . . along with oyster shell and grit. Hens don't bill Crumblized out of hoppers easily, there's less waste than with mash. Keep fountains full of fresh clean water (Nutrena feeders soon learn birds drink more water with Crumblized).

So, when you can get all these advantages in a high-egg-producing feed, why should you risk low egg production? Why should you take less? Why shouldn't you start feeding Crumblized Nutrena Egg Mash . . . the feed that's guaranteed!

Be Sure! Be Safe! Be Thrifty! See your Nutrena dealer today and arrange for your entire season's supply of Crumblized Nutrena Egg Mash.

YOUR GUARANTEE

We are so confident that you will see the difference when you start feeding Crumblized Nutrena Egg Mash that we make this guarantee: Offer Crumblized Nutrena Egg Mash to your layers in a separate feeder alongside any other egg feed in any other form and let your layers make their own choice. If they don't eat Crumblized Nutrena Egg Mash more eagerly, drink more water—and, in a reasonable period, lay more eggs—return what you have not used and get your money back for it.

YOU TOO CAN FEED

CRUMBLIZED Nutrena

BE SURE BE SAFE BE THRIFTY

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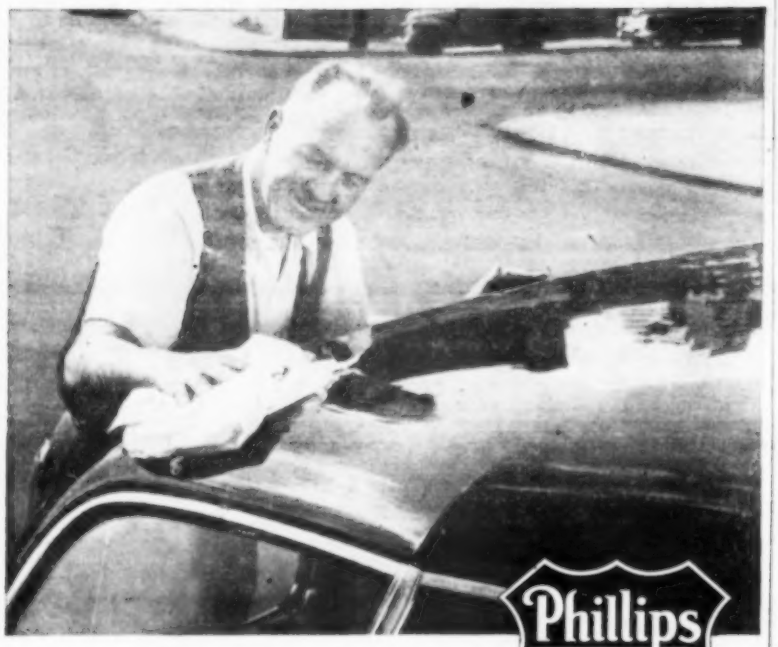
Keep your Cylinder Walls glistening, too!



HOW NEW PHILLIPS 66 *PREMIUM* MOTOR OIL CLEANS AND PROTECTS THE INSIDE OF YOUR ENGINE!

YOU CAN'T actually see the cylinders inside your engine the way you can the top of your car. But even so—here's an easy way to keep those cylinders clean—with the new Phillips 66 *Premium* Motor Oil!

That's right—this oil actually cleans the moving parts in your engine while it lubricates. It can even improve engine operation by removing harmful varnish and reducing sludge deposits.

HERE'S WHAT YOU GET

1. ***Phillips 66 Premium Motor Oil cleans by detergent action.***

2. ***Phillips 66 Premium Motor Oil fights varnish formation and sludge deposits.***

3. ***Phillips 66 Premium Motor Oil protects against bearing pitting and corrosion.***

ASK YOUR PHILLIPS DEALER

He's mighty proud of this new oil—and for good reason. We think you'll find lots of reason for satisfaction, too. Get a refill with the new Phillips 66 *Premium* Motor Oil today!*

*** *You can get the new Phillips 66 Premium Motor Oil in both bulk and cans.***

PHILLIPS 66 *PREMIUM* MOTOR OIL

Washington Wire

Do You Want Price Controls Back?

Farmers Probably Don't, But There Is Lots Of Pressure In Consumer Circles for Revived OPA

WASHINGTON, D. C.—Farmers who thought OPA was gone forever may have to think again. Two groups in the east are pushing for revival of price controls on food.

One group wants to keep food prices down so as to head off another wave of strikes based on increased living costs.

The other wants to continue food shipments abroad, and fears it can not be done without boosting prices unless controls are put back.

To these suggestions, farm representatives say:

1. You can't have price controls unless you have rationing, too.

2. You can't have rationing and price controls on food unless you are willing to follow the same policies on wages and industrial products.

3. Present proposals are lopsided in that they talk only about price controls on food.

While some folks are worrying about high food prices, farmers in some fields are wondering if prices for their products will hold up very long. Lard is still comparatively cheap. There are some fears about egg prices next spring if Britain stops buying.

These people hope the Marshall plan will keep exports going and will prevent a slump in farm product prices.

Actually, the biggest estimate yet made for the Marshall plan would only maintain farm exports at present volume and would not increase them.

Best guess is that under the Marshall plan, and with reduced commercial exports, farm exports will shrink considerably.

Wheat will be favored in any program. Dried milk, dried eggs and other higher-cost products will suffer.

A lot of misinformation is floating around on European conditions. One phony story is that Europe is producing a lot less now than in pre-war.

That's wrong. The Department of State reports that Britain, in industrial production, is up 10 to 26 per cent above pre-war. Denmark is even with pre-war. Norway is up 23 per cent. Sweden is up 9 per cent. Even battered France is only 7 per cent under pre-war.

That's progress. But the key to European distress is in Germany, where production is less than half what is was before the war.

Denmark used to find a good market in Germany. The rest of Europe got steel and coal from Germany. Now they don't.

Add to this the fact that British coal production is down, and that western Europe can't get food from eastern Europe, and you see why the west is still in trouble, in spite of a remarkable recovery from war damage.

Food continues to be scarce in Europe because harvests are poor, and because food can't be shipped in from the east as in pre-war days.

Shipments of wheat from the United States will continue to be vital.

But our exports of meat do not make much difference to the people of Europe or to the home market.

In the nine years from 1930 to 1939, we shipped out 23 per cent as much pork as we did in the 1924-29 period. In the last 12 months, this has dropped to 8 per cent.

Exports of dried eggs are still heavy, altho only one-half of the war-time peak. If they are cut, poultry raisers will feel the effect.

The Bureau of Agricultural Economics predict that dairy product prices will rise until November. The amount of the increase will be smaller than the 20 per cent last year following lifting of price controls.

The increase, the Bureau said, is likely to be more in line with the pre-war average of a 10 per cent gain between August and November. Dairymen won't be as well off as a year ago.

DO YOU KNOW---

That most of Europe, including Great Britain, is now producing MORE industrial goods than before the war?

That American exports of pork are LESS than before the war?

That the Marshall Plan, if adopted, will NOT increase food exports over present figures?

For details, read the Washington Wire, on this page.

Likes to have his straw handy, so Jonas D. Gnagey, of Iowa county, Iowa, put up 130 bales, blew the rest into his barn.

Silos Stretch Poor Corn

SILOS make the most of a corn crop that is immature or badly hurt by drouth. The reason is simple. You save the whole corn plant.

If you don't have a permanent silo, it isn't too difficult to make a temporary one.

One Cedar county livestock man says: "I have used slat cribbing lined with sisalkraft paper. I have also made good, big silos out of baled straw.

"One year," he went on, "I made a silo, using baled shredded corn fodder for the outer walls." He says the diameter can be as much as 24 feet or more.

"Set the silo out far enough from the fence so you can get a load of silage from any side, according to the direction of the wind," he says. "Take the bales down from the silo as fast as the silage is fed."

With a bale silo, the reinforcing wires should be plenty heavy and plenty close together.

This farmer used No. 6 wire and cable clamps. Wire held with clamps and not twisted can be used again the second year. He built a bale silo 24 feet in diameter and 20 feet high. It held more feed than a regular 16x40-foot silo.

In filling such a silo, this farmer advises putting up only two or three rows of bales at the start. Then you can build on as you fill. Two or three poles set on the outside of the silo, with the insides of the poles as straight as possible, make a good guide.

"It helps to know what is 'straight up,' and, anyway, you need one pole to hold the blower pipe," this fellow says.

He didn't line the silo with paper because he expected to feed out the silage soon after the silo was filled. If he wanted the silage to stand very long, he says he would line the inside with sisalkraft paper.

H. D. Backhaus, Cerro Gordo county, Iowa, adds a warning about lining temporary silos.

"Take caution and time to avoid any sagging if snow fencing is used," he says. "Don't cut lining paper over 12 feet in length, and allow plenty of overlap, for the silo will stretch."

LOOKING FOR A BETTER HYBRID?

1946-47 surveys show

91 out of 100 FARMERS WHO GREW THEM liked CARGILL Hybrids BETTER THAN OTHER LEADING BRANDS

and these same farmers planted 64% more CARGILL Hybrid in 1947 than in 1946

To find a hybrid you like better . . . compare hybrid with hybrid. Cargill urges you to *compare Cargill Hybrids* with *any other leading brand.* Compare: yield, germination (Cargill protects its high germination with the new wet method Slurry Treatment), standability, drouth resistance, disease and insect tolerance, safe maturity, high shellout and feeding quality. Remember, 91 out of 100 found they liked Cargill Hybrids better. Order your Cargill Hybrid now!

"STANDS BETTER" reports GLENN RITZE

GLENN RITZE
Linn County, Iowa

"I like Cargill Hybrids better because they stand up better in bad weather. Last year I planted 4 leading hybrids. We had a hard windstorm late and my Cargill was the only corn that stood through it. And my Cargill yielded 10% better than any other corn I had."

"INSECT RESISTANT" reports PHILLIP TURNER

"Last year I planted six hybrids. My Cargill was the best corn. It yielded better than any of the other hybrids. It also picked better and cleaner and had less ear drop. My fields were streaked with root louse—all of the other hybrids were affected, but there was no trace of it in my Cargill."

PHILLIP TURNER
Montgomery County, Iowa

these farmers found what you are looking for a Hybrid you'll like better!

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CARGILL HYBRIDS

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and lasting sidewalls

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Good farm buildings must be designed to take a lot of punishment from wind, rain, snow and hail. In order to earn money for you they must be built of materials that will last over the years with low maintenance costs.

Edge-grain certified red-cedar shingles make the most durable, wind and hail resistant roofs. They last a generation and are overwhelmingly preferred by farm builders. For exterior siding your dealer will gladly suggest a species of lumber that has proved its ability to weather well and stand up under years of service.

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WEYERHAEUSER 4-SQUARE LUMBER AND SERVICES

Filled silo early this fall. Chris J. Schmitt, of Winneshiek county Iowa, dismantles blower pipes after filling his silo three weeks early to save corn that was firing badly in the heat and drouth.

Corn Shortage Won't Lick Them

Here's What Five Different Livestock Farmers Are Doing About Small Crop

IN SPITE of bad early spring weather, June floods and severe summer drouth and heat, farmers of Iowa are still in the business of producing food for a hungry world.

As a sample of what some livestock farmers are doing, let's visit several of them.

Up in Winneshiek county, Iowa, silage is getting a big play.

First, we'll stop at Reuben Brown's. Brown and his son Robert decided to steal a jump on the hot, dry weather by putting up their silage three weeks earlier than usual.

"By cutting the withering corn for silage early," Brown says, "we saved a lot more feed. If we had left the corn in the field, it would have continued firing, and the feed value would have been cut a lot more."

The Browns finished filling the silo August 30. They put up the corn that had fired most. The greenest and most promising of the strips were left to mature.

"It took eight acres to fill the silo this year,' they say. "Last year, we filled it from three and one-half acres."

They are going thru their fields now to cut the remaining spots of badly burned corn for fodder.

Brown and his son intend to husk a month or two later than usual this year. They probably will start about November 1, giving the crop as long a drying period as possile.

Adolph G. Vick also cut fodder earlier this year, to save as much feed as he can.

"I cut more fodder than usual, too," he says. "I cut all that looked as if it wouldn't mature, and am hogging down one 10-acre field that is in better condition. I will run a corn-picker thru the best of my crop and then turn the cattle in on it.

"Like most of my neighbors, I intend to husk later than usual—maybe not until spring—to avoid loss thru cribbing soft corn," says Vick.

Clover pasture will play a big part in helping Francis and Lloyd Bergan meet their feed needs. On their 270-acre farm, they don't expect to harvest more than half as much corn as last year. The problem is more critical because of more than 150 hogs on their place.

"Those hogs," the Bergans say, "will take a lot of feed. So we're going to use new clover seeding for pasture. We'll run hogs on clover this fall, to save corn. And we will cut down on hogs next year."

The Bergans suggest rye for spring pasture on farms that don't

You Don't have to reach up for ears this season on Reuben Brown's corn. He says it takes twice as many acres to fill the silo as it took last year.

New seeding of red clover will be used for fall pasture, to save corn, says Francis Bergan, Winneshiek county, Iowa, farmer.

have adequate pasture to ease the corn shortage. And they'd like to get a grain drier as soon as one is available to them.

Possible soft corn doesn't worry Charles Busta and his son Godlove on their 300-acre farm.

"We got together all of the sows we could for fall pigs," they say, "and believe we can avoid heavy loss of soft corn by feeding it all winter to the pigs."

The Bustas will feed the new crop as fast as they can. They have 65 acres in corn, and think they can use most of the corn before spring. Fourteen sows have farrowed 112 pigs, and there are three more to pig.

As a feed-saving step, the Bustas are starting their pigs on clover pasture. They will leave them on pasture as long as the weather permits.

Chris J. Schmitt expects about two-thirds of a yield from his 160-acre corn crop. Because of the crop outlook, he filled his silo three weeks early this year, finishing filling August 28.

"As a means of getting as much feed out of my corn as possible this year," he says, "I intend to profit by something I learned during the drouth of 1936.

"I'll feed the silage as fast as I need it. Then I'll refill the silo with silage made from dry fodder. I did this in 1936, and it paid big dividends. I will cut all the drouth-damaged areas, shock it, and leave it in the shock until it dries.

"Then I'll haul it up to the barn and stack it around the silo. When I get room in the silo, I'll cut up the dry fodder—ears and all—and blow it into the silo.

"As I fill with this dry silage, I'll keep a steady stream of water running over the silage full blast from a garden hose.

"I found in 1936 that this second-crop silage made nearly as good feed as the green-corn silage. The water-soaking, of course, is essential."

Here are methods Winneshiek county farmers are using or plan to use to meet conditions caused by dry weather and a late season:

Turn poor corn into silage, feed all soft corn this winter if possible, leave soft corn in field until it is dry if it must be cribbed, and use grass as much as possile to save corn. — L. Dale Ahearn, Winneshiek County, Iowa.

"COLLEGE CORN" FROM COLONIAL FARMERS ESTABLISHED AMERICA'S FIRST UNIVERSITY

Peck of Corn Per Family Paid Teachers, Helped Students of Harvard University

Only 15 corn crops had been harvested on Massachusetts Bay since the Mayflower landed . . . Yet, in September, 1636, the governing assembly of the new little Pilgrim colony determined to establish a college . . . And voted 400 pounds for "the advancement of all good literature, arts and sciences and the education of the English and Indian youth."

Early in 1639 the struggling school took the name of John Harvard, a young minister who endowed it with 800 pounds and a library. But even with this endowment, the new college lacked money. The people of Cambridge (named for the famous English university town) decided to take over the burden. Money was scarce; the only commodity of value owned by the 5,000 families was Indian corn . . . So each family annually contributed to Harvard a peck of corn or its equivalent.

For eight years enough "college corn" was received to support the whole Harvard faculty except the president, and to assist 10 or 12 needy scholars. So the early corn farmers kept Harvard alive . . . And now it remains the oldest university in our country . . . A monument to corn, the crop that makes America Great.

EVERETT MITCHELL'S "GREAT CORN STORY"

Each week Everett Mitchell, America's foremost farm radio commentator, tells a new and interesting Great Story about Corn. It's grand entertainment for all the family—and you will learn many facts and oddities about the crop that makes America great. There's music you love, too—by the Funk Serenaders with Betty Bennett and Earl Randall. Listen to one of these stations:

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WMT	Cedar Rapids	6:45 a.m. Mon.
KSOO	Sioux Falls	12:15 p.m. Sun.
WOW	Omaha	12:15 p.m. Sun.
KGLO	Mason City	7:00 a.m. Sat.
WNAX	Yankton	12:15 p.m. Sat.
KFEQ	St. Joseph	7:00 p.m. Thur.
WLS	Chicago	11:45 a.m. Sat.

BETTER CORN THRU RESEARCH

As senior agronomist of the USDA Funk Farms station, Dr. Jim Holbert played a leading part in the cooperation between colleges, experiment stations and plant breeders that made possible the development of hybrid corn. Originator of more successful inbred lines than any other corn breeder, Dr. Holbert, for 12 years director of Funk's Nationwide Research Program, directs the improvement of parent lines, develops new inbreds and new combinations exclusively for Funk's G-Hybrid users. Under his leadership, the greatest research organization ever engaged in the improvement of hybrid corn has developed the G-Hybrids available for your 1948 planting. Place your order now and cash in next year on this nationwide research program that assures you G-Hybrids that are Consistently Good . . . Year after Year.

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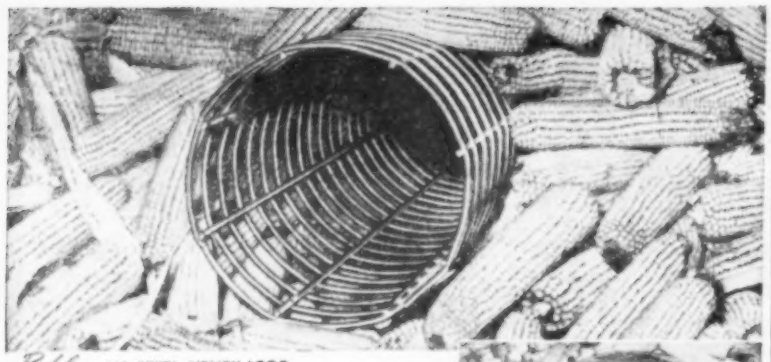

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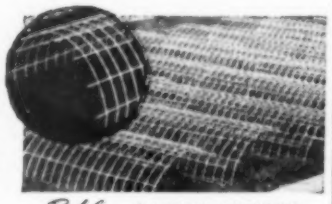

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Although shortage of steel has curtailed production, more than two million feet of these welded steel bar mesh Ventilators and Tunnels and several thousand of these farm-type forced-draft Dehydrators have proved their great value on the farms since Behlen invented this type of equipment.

This year, with much of the corn late planted and slow maturing, the need for artificial drying will be greater than ever before.

MORE EQUIPMENT AVAILABLE

Production has been increased, especially in the manufacture of Ventilators and Tunnels. These alone will reduce the moisture to safe percentage for storage, but the drying is not so rapid as when the Dehydrator is used with these ducts.

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COLUMBUS, NEBRASKA

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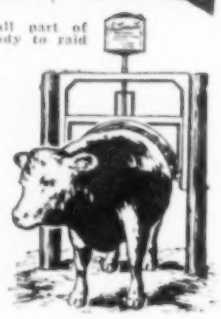

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Water jugs have had a steady workout this hot summer. Here, Arnold A. Grose, Dubuque county, Iowa, takes a drink.

Making Feed Go Farther

Editors of Wallaces' Farmer and Iowa Homestead recently polled a number of farmers on the methods of stretching feed supplies this fall. Livestock farmers we questioned have all been thru the mill during other periods of scarce feed.

Here are some of the things Master Farmers of Iowa plan to do in meeting the short feed situation.

This statement from Earl Elijah, of Cedar county, would receive an almost unanimous approval from the entire group: "For saving a poor corn crop, nothing quite equals the silo."

Elijah also pointed out "with high protein supplement at $130 a ton, and corn more than $2 per bushel, it certainly is not time to be stingy with any protein supplement for any kind of livestock."

He follows sort of a rough rule that any time a bushel of corn will buy two bushels of oats, then oats should be fed liberally.

Henry Dall, Ida county, suggests: "Barley is a good substitute for corn, and we hope to raise some next year, to start feeding in July. Next spring's pigs can be largely started on grass and fed some new oats and barley."

You can't skimp too much, tho. E. F. Morris, Hardin county, says: "Those hogs we want to get to market in the shortest time must have corn; probably about all they will eat."

SOFT CORN

The last of August, the agricultural extension service at Iowa State College put out a pamphlet that will be of interest to almost every Iowa farmer who has soft corn this fall.

"When You Have Soft Corn" is the title of the booklet, which the college calls Pamphlet 122.

It is full of sound, practical suggestions. County extension directors have a supply of the booklets.

The book is valuable not only because of its content, but because it was published just at the right time to be useful.

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and while they are doing this they will continue to *lubricate—cool—seal* and *cleanse*—insuring top performance ALWAYS! YOU CAN'T AFFORD TO USE INFERIOR OILS . . . USE

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A WALLACE-HOMESTEAD POLL

Stassen continues to be Republican candidate who would pull most Iowa farm votes.

Truman would win over Taft in Iowa, lose to Stassen, if election were held today.

Who's Your Choice For President?

President Truman's Stock Has Gone Up Among Iowa Farmers, But Stassen Is Still in the Lead

IF YOU could name the next U. S. president, who would it be?

A cross-section of Iowa farm people, interviewed at their homes, looked over a list of 10 names and found these to be the top men:

Stassen	**24 pct.**
Truman	**21 pct.**
Dewey	**12 pct.**
MacArthur	**10 pct.**
Wallace	**9 pct.**
Taft	**8 pct.**
Eisenhower	**6 pct.**

Stassen, Eisenhower, Taft and MacArthur all gained since a similar poll was made last March.

If Stassen were running against Truman today, how would farmers of Iowa vote? Stassen would win. In 1944, Dewey and Roosevelt split the farm vote almost evenly. (Dewey had 52 per cent of the total.) But Stassen would apparently have a big margin now.

But Stassen's margin is not as big as a year ago. Then Truman, in a Wallace-Homestead Poll, had 22 per cent of the Iowa farm vote against Stassen. Now he has 35 per cent.

Suppose Republicans nominate Taft instead of Stassen? Then, as Iowa farm people feel now, they would go for Truman.

Truman would get 45 per cent of the vote to Taft's 34 per cent.

A poll a year ago (Bricker vs. Taft) put Bricker slightly ahead of Truman. Truman has gained in popularity with Iowa farmers in the last year. But it hasn't been enough to do him much good if the Republicans nominate somebody who can draw as many votes as Stassen.

Biggest change since last year is shrinkage in undecided votes. Only 14 per cent were undecided in the Stassen-Truman race. A year ago, 30 per cent were on the fence.

In the Taft-Truman contest, 21 per cent didn't know. But a year ago, with Bricker-Truman, 38 per cent were doubtful.

Which candidate of a list of 10 would Republican farmers choose? A poll of Republican voters gave these results:

Stassen	**34 pct.**
Dewey	**23 pct.**
Taft	**14 pct.**

Which candidate would Democratic farmers nominate?

Truman	**39 pct.**
Wallace	**17 pct.**
Stassen	**13 pct.**

Stassen got a substantial vote from both parties. So did MacArthur and Eisenhower, with more Republicans for MacArthur and more Democrats for Eisenhower.

Truman vs. Taft and Stassen

"If Stassen is nominated by the Republicans for president in 1948, and Truman is nominated by the Democrats, how do you think you would vote?"

August, 1947		July, 1946	
Stassen	**51 per cent**	**Stassen**	**48 per cent**
Truman	**35 per cent**	**Truman**	**22 per cent**
Undecided	**14 per cent**	**Undecided**	**30 per cent**

"If Taft is nominated by the Republicans for president in 1948, and Truman is nominated by the Democrats, how do you think you would vote?" (August, 1947.)

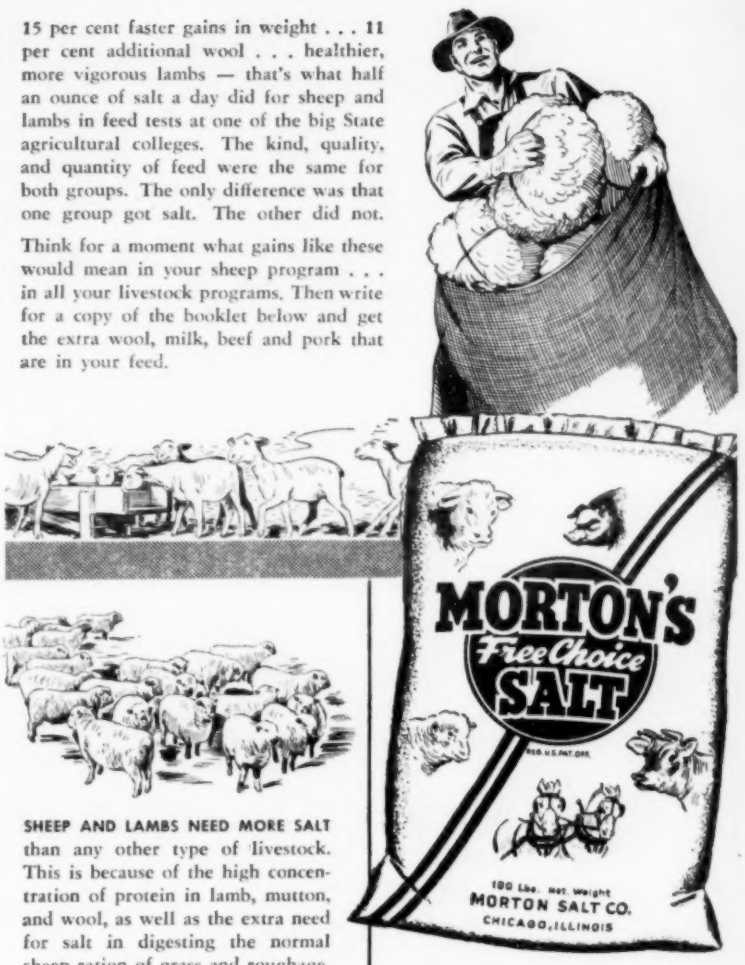
Taft....34 pct. Truman....45 pct. Undecided....21 pct.

Get the *Extra* Wool that's in Your Feed

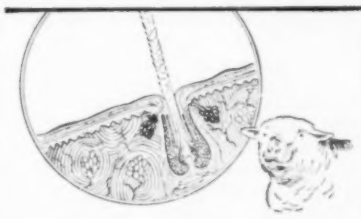
Feed Morton's Free Choice Salt

15 per cent faster gains in weight . . . 11 per cent additional wool . . . healthier, more vigorous lambs — that's what half an ounce of salt a day did for sheep and lambs in feed tests at one of the big State agricultural colleges. The kind, quality, and quantity of feed were the same for both groups. The only difference was that one group got salt. The other did not.

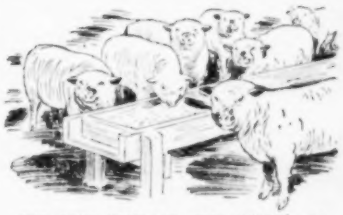
Think for a moment what gains like these would mean in your sheep program . . . in all your livestock programs. Then write for a copy of the booklet below and get the extra wool, milk, beef and pork that are in your feed.



SHEEP AND LAMBS NEED MORE SALT than any other type of livestock. This is because of the high concentration of protein in lamb, mutton, and wool, as well as the extra need for salt in digesting the normal sheep ration of grass and roughage.



SALT AIDS DIGESTION AND ASSIMILATION. It supplies chlorine for hydrochloric acid without which proteins are not digested but wasted. It also supplies sodium needed to get all the nutrients in fats and carbohydrates.



THE BEST WAY TO FEED SALT is to feed it Free Choice. In this way it is available all the time and in any quantity that livestock want. That's why agricultural leaders recommend salt feeding stations wherever livestock gather.

Send for FREE Booklet

Every farmer and feeder should have this practical, well-illustrated, 40-page book which tells, in detail, how to feed salt for the greatest gains. Not only tells *how* to feed salt Free Choice, but also provides plans for making practical, economical feeders. Only book of its kind — and it's free for the asking. A penny post card will bring your copy by return mail, postpaid. Morton Salt Company, 310 S. Michigan Avenue, Chicago 4, Illinois.

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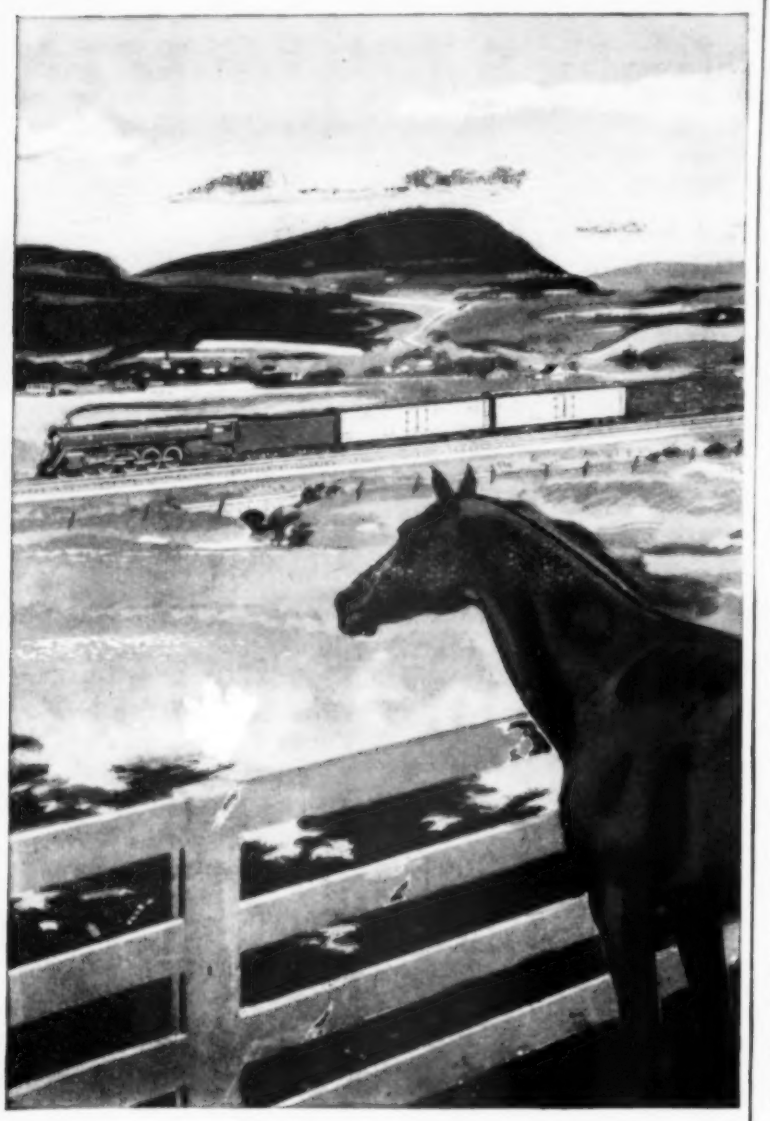
Morton's Free Choice Salt is especially developed for more profitable livestock feeding. It's easy to feed and easy to use for mixing. Be sure to ask your dealer for it by NAME . . . MORTON'S FREE CHOICE SALT.

EASY TO FEED . . . EASY TO MIX
MORTON'S *Free Choice* SALT



Where Does the Iron Horse Get its Oats?

● Your railroads need investment dollars just as much as a thoroughbred needs oats.

Investment dollars nourish research and invention, improvements in plant, equipment and service — the life and future vitality of your railroads.

But in order to attract these investment dollars, and to finance improvements needed to serve you better, these railroads must have reasonable earnings.

Most folks think 6% is no more than reasonable. Last year, however, railroads as a whole earned an average of only 2¾% on their net investment. Many railroads actually lost money. And this year, even though hauling a record peacetime traffic, American railroads will probably average only about 3%.

Why are the railroads faced with this situation? That's simple. Since 1939, wages are up more than 50% . . . costs for materials and supplies up 60%. At the same time, the average charge for hauling a ton of freight a mile is less than 15% above 1939! Railroads are still hauling freight for less, on the average, than any other comparable transportation in the world.

Any business should earn at least 6% if it is to continue as a progressive, self-supporting enterprise. The railroads are no exception.

Doesn't this strike you as fair in principle . . . sound in practice . . . and to *your own* best interest in the long run? *Association of American Railroads, Washington 6, D. C.*

AMERICAN RAILROADS
THE NATION'S BASIC TRANSPORTATION

September Tips

Iowa State College's farm management section passes along these timely reminders:

▲ ▲ ▲

FENCE FIXING is a good September job, says Dave Hedenstrom, Chickasaw county, Iowa. He repairs the fences and gates around fields which will be grazed thru fall and early winter.

▲ ▲ ▲

CORN PICKERS and combines probably need checking. R. L. Simms, O'Brien county, Iowa, always gives both machines a last-minute going-over. Then he's sure they are ready to go when harvest time comes.

▲ ▲ ▲

MANURE PILES should be moved from lots to fields. Dave Hunter, Hamilton county, Iowa, finds September a good time to clean out any manure that piled up during the summer. Spread it on land to be fall plowed. Either plow it under or disk, to avoid loss of fertility.

▲ ▲ ▲

DRY, HARD SOIL takes extra plowing time and more fuel. Line up your work so you can hold off plowing until fall rains make fall plowing easier and faster. Willard Latham, of Franklin county, Iowa, tries to do as much fall plowing as possible where erosion is not a hazard.

▲ ▲ ▲

SEED IS SHORT. Save and harvest as much seed as possible, especially alfalfa and red clover.

▲ ▲ ▲

SOYBEAN HAY should be cut when lower leaves are starting to yellow and pods are partially filled. Bean hay cut at the right time has a high feeding value.

NEW SEEDINGS need watching. Protect fall seedings by poisoning grasshoppers where necessary. And don't graze closely in the late growing season. Give new seedings a chance to store up needed strength for winter.

▲ ▲ ▲

RYE IS USED by Sam Stevens, Washington county, Iowa, for late fall and early spring pasture. Then he plows it under in the spring for corn.

▲ ▲ ▲

CONTOUR LINES and terraces can be laid out now. William Boyer, Taylor county, Iowa, says September is a good time to start next year's contouring program. Then he's all ready for the spring field work.

▲ ▲ ▲

CULL LIVESTOCK to get rid of unprofitable animals. Clarence Hill, Dallas county, Iowa, sizes up his feed supply each fall. Then he plans his livestock program so he will get the greatest possible production with the feed on hand.

▲ ▲ ▲

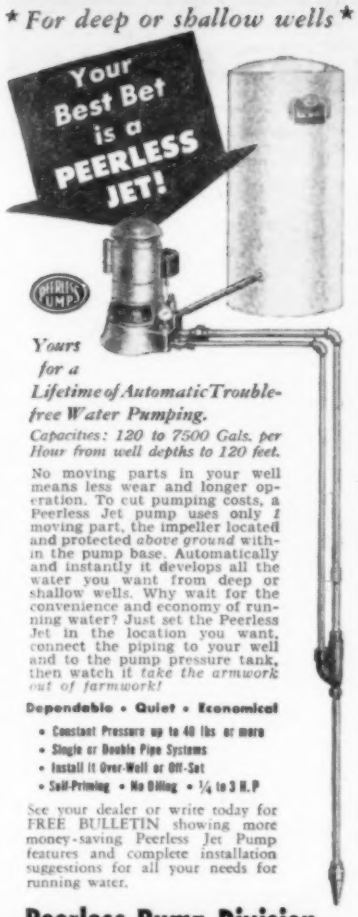
BUILD HAY BUNKS around a hay stack in the field. Raymond Anderson, Plymouth county, Iowa, has found that, with field feeding, cattle spread their own manure and haul their own hay.

▲ ▲ ▲

TEST YOUR SOIL this fall. Use a clean spade or trowel. Take samples from at least 10 different places for each 10 acres you want tested. Then mix these 10 samples thoroly to get a good average. Take out about half a pint of the soil for soil test and put it in a clean paper sack for shipment to the Iowa State College soil laboratory.

Ten Children living within seven miles keep Mrs. Martin Munson, Winnebago county, Iowa, from getting lonesome. So do Delores, 13, and Lynn, 2, and 24 other grandchildren, and two great-grandchildren. Mrs. Munson, now 70, came to Iowa when she was 16.

★ *For deep or shallow wells* ★



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But what about today? Cholera may strike your hogs *any* time! You can, however, protect yourself against profit-killing infections by simply using the services of your GRADUATE VETERINARIAN.

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Armour urges you to seek your GRADUATE VETERINARIAN'S help *now* — to wait may be too late.

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—Our Ads Are News—

Painting is a favorite farm job in the fall. But Frank Buenker, Dubuque county, Iowa, looks shaky on that milk stool.

Patch Stands Of Clover

WILL you have a weed patch in clover meadow or pasture next summer? Lots of new seedings have irregular spots where the soil was so wet last June that clover killed out. Drouth spotted new seedings in some areas.

Dry weather in August made it impossible to reseed these spots early. What can be seeded in these spots this fall or next spring?

If the field is to be used for pasture next year, rye can be sowed now. Rye will make a lot of early green feed. That's a big advantage. But it has some disadvantages.

Rye will quit growing in early summer. And it is pretty difficult to get a stand of clover with rye. So the land would be idle again unless you reseeded to sudan or some other feed crop.

Patches seeded to rye in a clover pasture would need to have a temporary fence if you want to take advantage of the early feed. You wouldn't want livestock on clover as early as rye would be ready to pasture.

Rye seeding may fit some farms despite these disadvantages. Its early green feed may counterbalance the short-comings.

About the only other seeding that can be done this fall is timothy. The latter part of September is the most favorable time for seeding timothy.

Timothy has the advantage of needing the least work. Most farmers would just sow a thick stand and harrow or disk lightly. Clover could be added on top of the ground next spring.

Timothy comes on slowly. You would still have a weed patch in the early part of the season unless the patches were kept mowed.

A spring seeding of oats and clover is the most used method of patching clover stands. It has the advantage of being satisfactory for either hay or pasture. It gets the land seeded for a second year in grass if desired.

The ground should be worked this fall even if the seeding is to be oats and clover next spring. Deep disking or shallow plowing is recommended for the rye or oats.

*Frank J. McCombs, ASHMEADE DAIRY FARM, Warren, Ohio

This farm home is comfortable day and night WITH NO COAL SHOVELING

"It is indeed a pleasure to get up in the morning with the whole house comfortably warm, and go ahead with the many duties of a modern farm without worrying about shoveling coal", writes Mr. Frank J. McCombs, owner of the Ashmeade Dairy Farms, Warren, Ohio.

"We feel that an Iron Fireman stoker is as important to a farmer as any piece of farm equipment he can purchase", Mr. McCombs adds.

Today hundreds of thousands of home owners are enjoying the exceptional comfort, convenience and fuel savings of Iron Fireman automatic stoker firing.

Why not install an Iron Fireman stoker in your present heating plant, or put in a new Iron Fireman furnace or boiler with built-in Coal-Flow stoker? Your Iron Fireman, equipped with Syncrostat controls, will be right on the job, day and night. Regardless of weather changes, it will give you just the indoor temperature you prefer. The Coal-Flow models feed direct from bin to fire, with *no coal shoveling*. You save money, too, by getting *all* the heat from economical stoker coal. Let us give you further information. For free Farm Home Heating folder and illustrated literature write Iron Fireman Mfg. Company, 3194 West 106 Street, Cleveland 11, Ohio. Dealers everywhere. Liberal terms—no down payment and no payments until October 1st.

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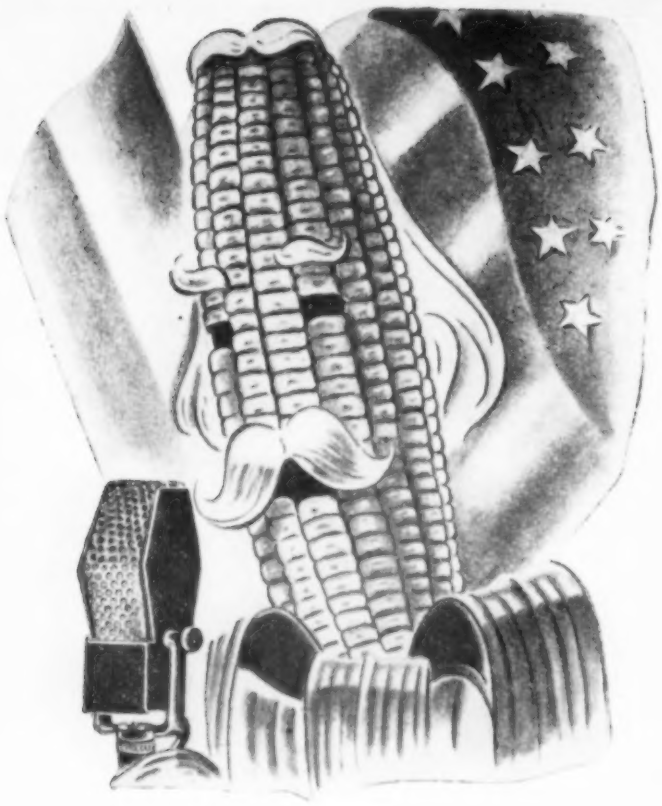

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I've good reason to be proud of my family. Although an American for centuries, it was only after the white man arrived that I hit the "big time" as one of the world's most important grains. In fact, that "North Western" territory known as the Corn Belt is named after me.

It is in this rich midwestern region that my family does its best as food for livestock. But I'm also used for cereals, corn syrup, oils and scores of other essential products. Yes sir, those Corn Belt farmers sure know how to take care of me. And that goes for the "North Western," a Corn Belt railroad that goes through much of my domain.

* * * * *

Thank you, Kernel Corn. "North Western" pioneered in opening up much of the Middle West almost a century ago. Since that time it has been a leader in transporting corn and other grains from farm to market . . . over 75 million bushels of corn alone in 1946!

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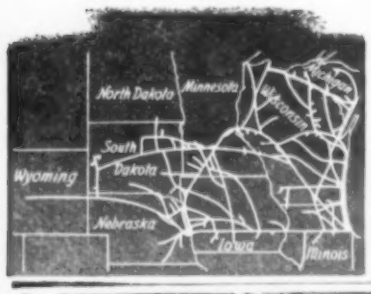

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You'll get more work done, regardless of the weather, with this new Tokheim Tractor Cab. Year 'round protection against rain, snow, sun, sleet. Safety glass windshield; removable front, side and rear curtains. Easily installed without special tools. All-steel construction, insulated turret top. Moderate price. Fits Farmall H and M and Case VA, VAC and VAI tractors. Available soon for other makes. See your implement dealer or write factory for folder.

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QUALITY TOKHEIM TRACTOR CABS

Make the weather fair and pleasant

Time To Wash Up And Eat Dinner

First Job after dinner bell rings is washing up. It makes you feel like a million bucks, helps whet the appetite. Here young Lynn Harris, Winnebago county, Iowa, takes his turn while Carl Harris, Dale Thompson, Merle and Harvey Harris (left to right) finish up.

Table Loaded now, but not for long. Mrs. Carl Harris (standing at left) and Mrs. Merle Harris (right) do the serving. Left to right around the table are Mrs. Martin Monson, Carl Harris, Dale Thompson, Merle Harris, Harvey Harris, Delores and Lynn Harris.

Business Confab is always more pleasant at the dinner table. Here Farm Owner Art Webster (center), Fayette county, Iowa, talks over harvest prospects with tenants. Others: Mrs. Otto DeSotel, Otto DeSotel, son Joe, Hired Man Leonard Martins.

"HERE IS A SAFE FARM LOAN

. . . you never have to pay a Federal Land Bank Loan all at one time"

There's one BIG advantage in a Federal Land Bank Loan. You are dealing with farmers like yourself. They know what it is to meet loan payments. So, naturally payments are made as painless as possible. When the 100% farmer-owned Co-op Land Bank System was organized 30 years ago, farmers had one basic idea . . . to provide a SAFE way to debt-free farm ownership.

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You never have to pay a Federal Land Bank Loan in one lump sum. Payments are spread over a long period of time (up to 40 years). Your farm has the chance to pay for itself . . . from its normal earning power. Each payment reduces the principal and therefore cuts the interest. Of course, if your farm income permits, you can pay up as fast as you want to.

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You'll find your fellow-farmers in your local co-operative National Farm Loan Association give you every possible assistance and encouragement.

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OUTSIDE STUFF

IF YOU'RE wondering about feed and how far it will go, here's the formula Leo Lynch, of Wright county, Iowa, got from his father many years ago. Figure how much it will take to feed a certain number of cattle or hogs for a certain length of time; then buy half that many, and figure on feeding them twice that long, and usually you'll come out about right.

• • •

CORN on good ground this year shows the benefits of legumes in the rotation, lime, manure and fertilizer, says Seth Johnson, Sac county, Iowa.

• • •

Johnson says he can really tell the difference in the way corn on good land withstood dry weather, compared with corn on rundown land.

• • •

OTHER farmers in areas that were hit a little harder by the drouth are anxious to see results of experiment station tests on various methods of fertilizer application. We've already had some good samples of results in wet seasons.

• • •

ONE farmer—J. Verald Brown, of Franklin county, Iowa, will not be surprised if the plow sole method of application shows up pretty well this year.

• • •

WITH grains so scarce and high in price, some kind of early spring pasture will cut the feed bill on next year's hogs. A patch of rye might help.

• • •

I ENJOY the different shades of opinion which are expressed by the men in the hotel lobbies where I stay during my trips around the countryside. This came up in Clarion, in Wright county, Iowa.

• • •

One fellow said it was unfair to working people to say that higher prices are the result of higher wages. He thought that higher wages were the result of higher prices on things the working people buy.

• • •

THAT argument is a good deal like, "Which comes first, the hen or the egg?" But I thought to myself as I listened, "That fellow probably had to do the week-end shopping last Saturday."—W. D. I.

"It's a new Siamese breed that I have developed. They gain twice as fast."

Combine all 3

YOUR GRAIN +
YOUR DEALER'S BRAND +
The HUBBARD SUNSHINE *Way*

NOW you can feed out your own grain—and in a balanced ration. Just take it to your nearest dealer displaying the Hubbard Sunshine ribbon, and he'll blend it with the right amount of Hubbard's Sunshine Concentrate. He makes up his feeds as you need them—so they're always fresh.

You take the guess out of feeding when you follow The HUBBARD SUNSHINE Way. That's because formulas are first tried and proved in the laboratory and on the Hubbard Experimental Farm. No feeder is ever required to experiment unknowingly. Ask the dealer who knows—your neighborhood dealer displaying the Hubbard Sunshine ribbon.

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MANKATO, MINN.
EASTERN BRANCH: 210 ELEVENTH STREET, AMBRIDGE, PA.

ONLY $29.95 BUYS

NEW COMFORT IN FALL PLOWING

ENDS TRACTOR ACHE . . . CUTS FATIGUE

MONROE HYDRAULIC E-Z RIDE TRACTOR SEAT

This year you can take the tractor ache out of fall plowing for only $29.95. Hard to believe? Then, have your dealer install a new Monroe E-Z Ride Seat and do the first 10 days of the plowing job in easy-chair comfort, without paying a cent.

So confident is Monroe that you will find this amazing new seat just what you've been looking for in tractor comfort, this 10-day free trial offer is made without obligation to buy. The installation is made in 15 minutes. The result—smooth, jar-free, fatigueless operation, even over the roughest ground.

Nice part of the bargain is the new low price of $29.95. It makes the Monroe seat the year's best buy in the farm equipment field.

10 DAY FREE TRIAL

Engineered comfort—Monroe hydraulic shock absorber, variable rate coil spring, stabilizer bar. Fits 23 popular makes and models of tractors. No adjustments needed.

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WORLD'S LARGEST MAKER OF RIDE-CONTROL PRODUCTS

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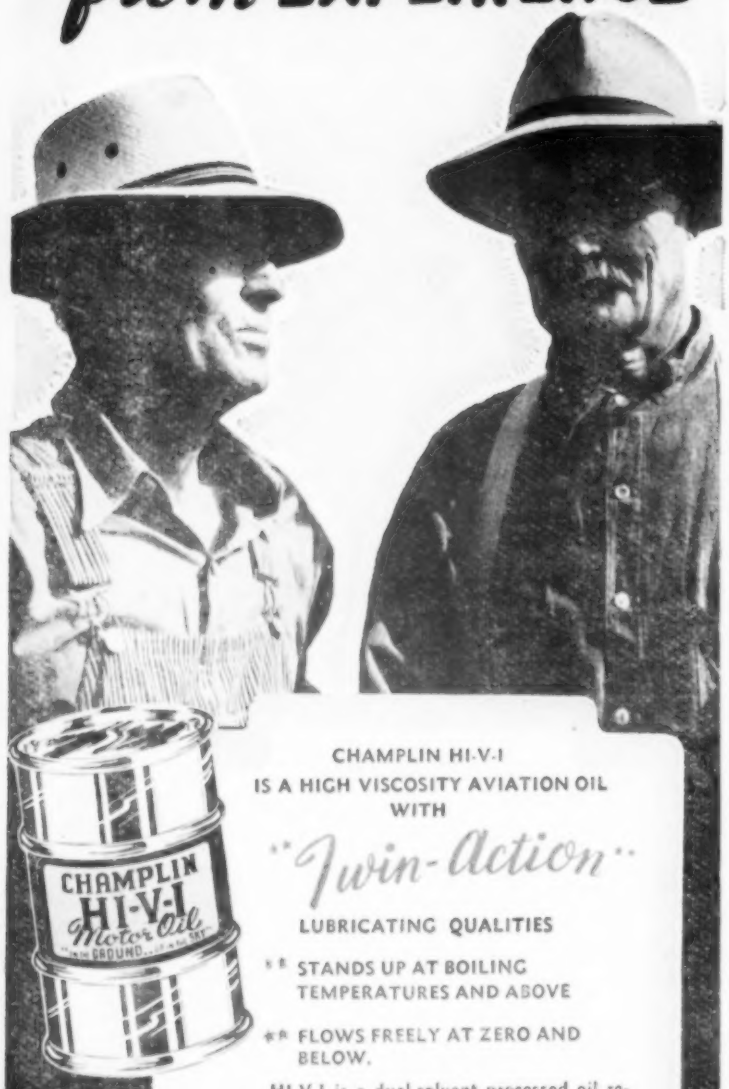

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** FLOWS FREELY AT ZERO AND BELOW.

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HI-V-I assures thorough lubrication, protecting close-fitting moving parts against friction in your tractor, truck or car. There's less wear on metal surfaces, less chance for breakdowns, fewer repair bills. HI-V-I reduces gum, sludge and varnish formations to minimum. Helps clean up rings, pistons, valves, oil lines and filters.

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With "Brownskin" Silo Paper, you can get needed feed storage space now. Used with slat corn cribbing, stretchable "Brownskin" gives a water—weather—wind—vermin—fungi resisting temporary silo. Without special equipment, you can build an 18, 44, or 90 ton capacity silo in 12 easy steps. FREE folder tells how.

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Mechanical ventilation is being used more than ever this year to dry soft corn in the crib. "Brownskin" is ideal for building air ducts on single cribs and for sealing driveways to prevent air from short circuiting in double cribs. Write for details now.

ANGIER CORP. FRAMINGHAM 17, MASSACHUSETTS

Angier SINCE 1895

This Summer won't be forgotten soon by Iowa farmers. But when snow flies, Arbie and Mrs. Schroeder, Fayette county, Iowa, may find it hard to recall how good a cold bottle of pop can be.

Farm and Feed-Lot

Asks How Much Feed Pigs Will Eat

To the Editor: How much feed does it take to feed pigs from weaning time to about 225 pounds?—V. H., Faribault County, Minnesota.

Dry lot feed requirements for 100 pounds of gain on pigs from 65 to 200 pounds were reported at the Minnesota station as follows: Five bushels and 17 pounds of corn, 58 pounds of protein feed, 39 pounds of alfalfa meal and 1.75 pounds of minerals.

A Wisconsin dry lot test, feeding pigs from 50 to 227 pounds, required five bushels and 30 pounds of corn, 53 pounds of protein feed, 19 pounds of alfalfa meal, with minerals and salt to produce 100 pounds of gain.

Corn Borers Winter In Corn Stalks

To the Editor: I want to cut a field for fodder that had lots of corn borers in it. Will the borers live thru the winter if the fodder is cut and shocked and fed in bunks.—J. N., Iowa County, Iowa.

The corn borers live thru the winter in the bottom portion of the corn stalks. Some borers will be left in the stubble, and could be expected to live thru the winter and emerge as moths in the spring unless they were plowed under.

Where cattle eat dry fodder, there is usually a big pile of corn stalks left. Some of the borers could be expected to live thru the winter in these stalks also.

Corn stalks must be shredded or run thru a silage cutter to destroy the borers. The cutting process, along with plowing the stubble under cleanly, should prevent the spread of borers.

Brome Yield Doubled By Nitrogen

To the Editor: Is there any way to make an old sod-bound grass stand make a good yield after the legumes are gone? Or should I plow it this fall?—S. A., Monona County, Iowa.

Nitrogen fertilizer increased the yields of brome grass by from 73 to 100 per cent on a Nebraska farm. Following results are reported from the Roy Brookhart farm, in Nuckolls county, of that state.

A check-plot with no fertilizer applied yielded 2.64 tons of hay per acre. With 40 pounds of nitrogen applied per acre, the hay yield was 4.3 tons. Another plot receiving 80 pounds of nitrogen per acre yielded 5.3 tons of hay.

These results indicate one way to get good crops from old sod-bound brome grass stands which lack legumes to supply nitrogen.

Unless there are good reasons for leaving the brome field another year, however, it might be better to plow the field this fall and seed another field to brome and alfalfa next spring.

Weeds In Manure Will Grow

To the Editor: Will cockleburs in manure grow and reinfest clean ground on which the manure is spread?—F. C., Fayette County, Iowa.

It is unsafe to haul manure infested with cockleburs onto land that is free of the weed.

At least some of the burs will grow. They are very resistant to conditions that would kill other seeds. So don't put the infested manure on clean land.

But on fields already infested with burs, the manure probably will be worth more than the extra cocklebur damage.

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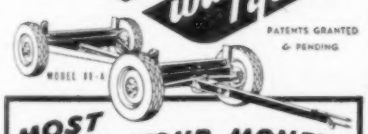

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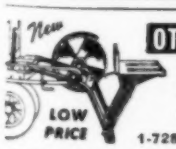

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Will New Oats "Run Out"?

To the Editor: How long will it be before Clinton oats run out and we will have to get new seed again?—H. D., Tama County, Iowa.

Oats don't "run out," says K. E. Beeson, of Purdue University. Other varieties "run in" and cause seed to become mixed. And diseases or insects may modify the performance of oat varieties.

"Oats are self-fertilized," Beeson offers as the reason oats don't run out. "Once a final selection has been made by the plant breeder, it continues to show the same characteristics year after year."

Beeson explains further that the new oats "are not hybrids in the sense of hybrid corn." They don't have to be reproduced every year. The original cross that produced Clinton and Benton oats was made in 1932.

Farmers will need new oats for seed, according to Beeson, (1) when oats become mixed with other varieties thru combines, fanning mills of threshing machines, (2) if new diseases attack the present improved varieties, or (3) if new crosses made by the plant breeders result in still better varieties of oats.

Alsike Clover Best For Acid Soil

If your soil needs lime, the biennial clover most likely to make a crop is alsike clover. Red clover is next best on acid soil, and sweet clover is the poorest on acid soil.

Of three perennial legumes, Ladino clover and bird's-foot trefoil will stand acid soil best. Alfalfa is the most sensitive to lack of lime in the soil.

These results are announced by H. D. Hughes, of Iowa State College. Tests were made on the Howard county experimental farm in northeast Iowa.

In the test, all of the legumes were sowed with timothy. In the plot without lime, the yield of 1.65 tons was mostly timothy.

Lime at 2.5 tons per acre increased the yield to 1.97 tons of hay. Four and one-half tons of lime made 2.46 tons of hay per acre, and 6.5 tons of lime made yields of 2.52 tons of hay per acre.

Hay yields on the Ladino clover and trefoil plots were increased by the lime applications, but the increases were moderate. The biggest increase was one-half ton per acre. Yield of Ladino and trefoil was from 2 to 2.5 tons per acre.

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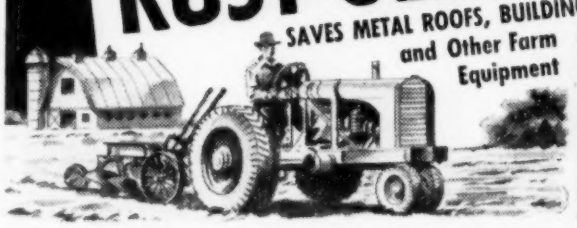

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Asks Fair Rate For Cutting Silage

To the Editor: What's a fair charge for putting up silage with a field cutter and blower at the silo? — L. P., Mower County, Minnesota.

There are so few field silage cutters in use that there is no established customary charge for them.

One Minnesota report says the most common charge for a field cutter is $8 an hour. Next most common rate reported was $9 an hour.

Iowa State College suggests a custom rate for a field silage cutter alone of $1 per acre, plus 75 cents per man-hour. For a blower at the silo, a rate of 50 cents per ton, plus 75 cents per man-hour, is suggested.

Natural Water Flow Can't Be Stopped

To the Editor: Quack grass growing on a division fence line causes water to back up on my land. The owner of the adjoining land says I can not remove this grass. Is this true?—T. H., Hancock County, Iowa.

The owner of the land below you can not build any dam to prevent the water from flowing in its natural course. You can either remove the obstruction yourself, or you can bring an injunction suit to enjoin the lower owner from interfering with the natural flow of the water.

This is true, however, only if the water is flowing into a natural water course.

Bull Must Be Kept At Home

To the Editor: What is the law about letting a bull run at large?—P. H., Butler County, Iowa.

There is no law in Iowa which requires the owner of a bull to keep it shut up in a pen or building.

However, the bull owner is required to keep the bull off the property of others. If the bull breaks thru a lawful fence and does any damage, the owner is liable.

Not Liable For Child In This Case

To the Editor: My hired man lets his small child ride with him on the tractor when he is working in the field or driving on the highway. This worries me, and I wonder if I would be liable for damages in case the child was hurt in an accident.—F. L. G., Monona County, Iowa.

When a child is permitted by his father to ride on the tractor, there would be no liability upon the employer. The employer of farm labor is liable only in case the employer himself is negligent in causing the injury, and would come under common law liability governing such cases.

Income Tax Deduction On Flood Land

To the Editor: If you have 60 acres of corn planted and up, and then floods destroy the corn and you can not replant, how do you figure that loss on your income tax report?—B. L. C., Louisa County, Iowa.

When your land is flooded, the loss is more or less taken care of as far as income tax deduction is concerned. That is, your corn crop is destroyed and you will therefore have no income from that land to report.

You can, however, deduct all of the expenses, such as seed, fuel, for planting the land before the floods came.

As we understand the law, you can't figure up what the crop would have been worth and then claim that as a loss. That would be, in effect a double deduction.

However, if the flood damaged your fences, or your home, or your machinery, such damages are not compensated for by a reducton in your gross income, and repair costs are deductible.

Branches Over Fence Can Be Cut

To the Editor: How far must trees be planted away from a partition fence? If trees on my neighbor's land extend over the fence, am I allowed to cut them?—J. V., Carroll County, Iowa.

There is no specific distance which trees must be from a partition fence. If they are entirely on the adjoining land, you have a right to cut any overhanging branches or any roots which extend on your land.

But if the trees are right on the dividing line, you can not cut them without permission of the adjoining owner.

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When and Where Do Pigs Get Worms?

At what time in a pig's life is it most likely to become infested with worms?—J. B., Linn County, Iowa.

Pigs will become infested with worms at any time that they swallow the worm eggs. The eggs are usually found on ground where large numbers of hogs live. Very young pigs are more easily infested than older hogs.

If you wish to know when the worm eggs hatch and appear in various parts of the pig's body, the life cycle of the round-worm is as follows:

After being swallowed, worm eggs hatch in the small intestine. The very small larvae penetrate the walls of the small intestine, and, apparently aided by the circulation, migrate to the lungs.

Three days after infection, the small worms may be found in the lungs, but reach the greatest numbers in the lungs 10 days after infestation.

In the lungs, the worms develop to five or 10 times their original size, and finally migrate up the air passages to the throat. They may be swallowed and get back into the small intestine as soon as six days after being infested, but it may be considerably longer.

In the small intestine, the worms reach maturity in about two and one-half months.

First Aid for Stock

Hog Mange Mites Get In Buildings

To the Editor: I just sold a bunch of mangy hogs. Will they leave the infection in the hog house, or do hogs only catch mange from contact with each other?—T. G, Clay County, Iowa

Hog mange is caused by the mange mite, which burrows into the skin of the hog, causing lesions and sores. These mites will be found in the hog house for some time after the infected hogs have been removed.

The hog house should be thoroly cleaned before hogs free from mange are quartered in the building. Of several kinds of dips used against mange, oil dips and lime-sulphur dips are the ones most often used

Both mange and hog lice are more difficult to control in winter than in summer. So the dipping and cleaning of quarters should be emphasized during the fall season

Can Calf Be Taken By Operation?

To the Editor: Is it ever possible to perform an operation and save the life of a cow when she is unable to have her calf naturally?—N. E. L., Nodaway County, Missouri.

The Caesarian operation — by which the fetus is removed thru the side of the cow—is often performed successfully.

Removal of the fetus piecemeal thru the vaginal canal is the method used sometimes. A majority of cows will recover if this operation is done properly.

Does Dust Cause Flu In Hogs?

To the Editor: My neighbor says dusty hog houses cause hogs to have flu? Is this true?—S. P., Gentry County, Missouri.

Hog flu is a virus disease that affects the lungs just as flu does in man. Therefore, dust would not cause the disease unless the virus was present.

But dusty hog houses, overcrowding and exposure to bad weather are contributing conditions to serious attacks of flu. If hogs are well fed and cared for, they usually have strength enough to resist the disease, and losses are small.

Harness For Cow That Sucks Herself

To the Editor: I have a Guernsey cow that sucks herself, and all efforts to break her have been futile. Do you or your readers have any suggestions to offer that might be of help?—L. J. T., Jones County, Iowa.

A simple and easily constructed device is made by putting a halter on the cow and a surcingle or belly-band just back of the front legs. Put a large ring in the chinstrap of the halter and also a large ring in the belly-band.

Then get a small, round stick of wood (hickory is best). It should be just long enough to reach from the ring in the halter to the ring in the belly-band, by passing the stick between the front legs. Bore a hole in each end of the stick and fasten to the rings.

The cow should be able to graze and eat, but she can't get her head far enough to either side to reach her udder.

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Homemaking Department

Edited by **ZOE MURPHY**

It takes planning to feed hungry men at corn harvest. Mrs. C. F. Ellerman (at right), of Dallas county, Iowa, plans her meals well in advance. Mr. Ellerman (at her left), Mr. and Mrs. H. C. Mortimer and Gail Eckhart are at dinner in the Ellerman home.

Feeding Extra Men

COOKING for men! Are there any ways to make it easier for the busy farm homemaker to set out a good meal for the extra hands that go with the fall work?

The farm woman is expected always to be ready to accommodate extras at dinner. At least, that is how Mrs. Harold Hilleman, Marshall county, Iowa, feels. For, with the building that's been done on their farm this summer, plus the regular farm jobs, there are always extra men around. She had expected to feed a dozen one day, and ended up with 21!

With a house full of children to care for, she can't spend too much time, either. A simple menu, without too many frills, is best.

What would this include? She lists these requisites—a good meat dish, potatoes, a cooked vegetable, and a salad. Then dessert. Pie is always in demand at their house. "I like to bake bread for them, too," she said. "Homemade seems to be better. But they'll eat more of it, that's true."

It helps when you have fresh tomatoes. Most like them just plain, sliced. Corn is always a standby. Serve it creamed or escalloped. Men seem to like escalloped corn, and whatever you can put in the oven is generally easiest to prepare.

"Yes, if you're in a hurry, a roast beef dinner goes quickest," said Mrs. Hilleman. If your oven has controlled heat, you can put the dinner in and forget it. And less time is required in preparation than for steak or chicken.

She finds their men will eat salads—more so in later years than they used to. A jello vegetable salad seems to go best. She uses lemon jello, adds cabbage, pineapple, carrots and some celery.

"Almost all our neighbors serve salad with dinners for the men, now," said Mrs. Glade E. Miller, of Black Hawk county, Iowa. "I think a pineapple and marshmallow combination appeals, especially if they've already had cabbage all down the line. My husband likes salads.

"But the older men are strong for meat, potatoes and gravy—and baked beans; with some vegetables. And good old pie, of course."

She tries to estimate quantities when she knows the number to be served. "For potatoes," she says, "if I know that three will feed one man, then I count them out accordingly."

She doesn't weigh the meat. "When we have meat in the locker, I just pick up two or three large roasts," she said. "If it is chicken, you can estimate the number one will feed."

But that depends on the men and the season. One might eat half a chicken. And older boys will eat more than most men. You have got to look your crowd over, when possible, and see what sort of a bunch you're serving.

Mrs. Miller had had hay men, and balers, and threshers. Now it was silo fillers. At silo filling or corn harvest, when it's cool, they'll eat a lot more than when it is extremely hot, as at threshing time.

She finds the younger fellows take to cold drinks more, while the older men like their coffee, even in the hottest of weather.

There are different ways of preparing pies in advance. Some make the pie crust mixture and hold it over in the refrigerator. Then all they need do is add cold water and roll out when ready to bake the pies.

Some, like Mrs. Gilbert, will go ahead and make the shells, all ready to fill. Fruit pies, such as apple, may be made and kept in the refrigerator, ready to bake. Cold hardens the lard, so that the crust does not soak up too badly.

Those with home freezers can prepare fruit pies ready to bake, and then hold them frozen for quite a long time. Don't try it with cream pies, however. They do not take kindly to freezing.

Some salads may be prepared in advance. Those with jello, for instance, keep nicely in the refrigerator. But anything with apple in it, such as a Waldorf salad, you have to leave till the last thing. And that delays things when you are finishing up a dinner.

Escalloped potatoes and meat loaf are dishes that may be cooked in the oven at the same time you are attending to other details. They are handy to serve, because there is no last-minute flurry of mashing potatoes and making gravy.

One-dish meals sound easy. But most men don't seem to like them so well, as farm women will agree.

"Meat loaf goes well for supper," was Mrs. Hilleman's comment, "after you've already served a meat dinner. Fried potatoes with a little onion on them go swell, too," she said.

Pie with ice cream is common. What kind of pie? The Hillemans usually have lots of apples, so it's apple pie. Or else peach. "Banana," she said, "goes best of any soft pie." Mrs. Smith likes to serve pumpkin pie in the fall, with whipped or ice cream. An appreciated finish to any man's meal.

Looking For Dresses---Or Aprons?

No. 8074—Simple, yet soft and lovely afternoon dress for the larger figure. Short or three-quarter sleeves are provided. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

No. 8207 — Easy-to-make princess lines to make you look slim and tall. The tiny collar tabs can be self or contrasting material. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 3023—An ideal school outfit—a demure yoked blouse with push-up sleeves, topping a smooth front-pleated skirt. Sizes 12, 14, 16, 18 and 20.

No. 8224—The popular slanted lines accent this figure-molding frock—so pretty for juniors. Sizes 11, 12, 13, 14, 16 and 18.

No. 8220—Versatile frock for matron, with tiny ruffling to edge neckline and interesting button treatment. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

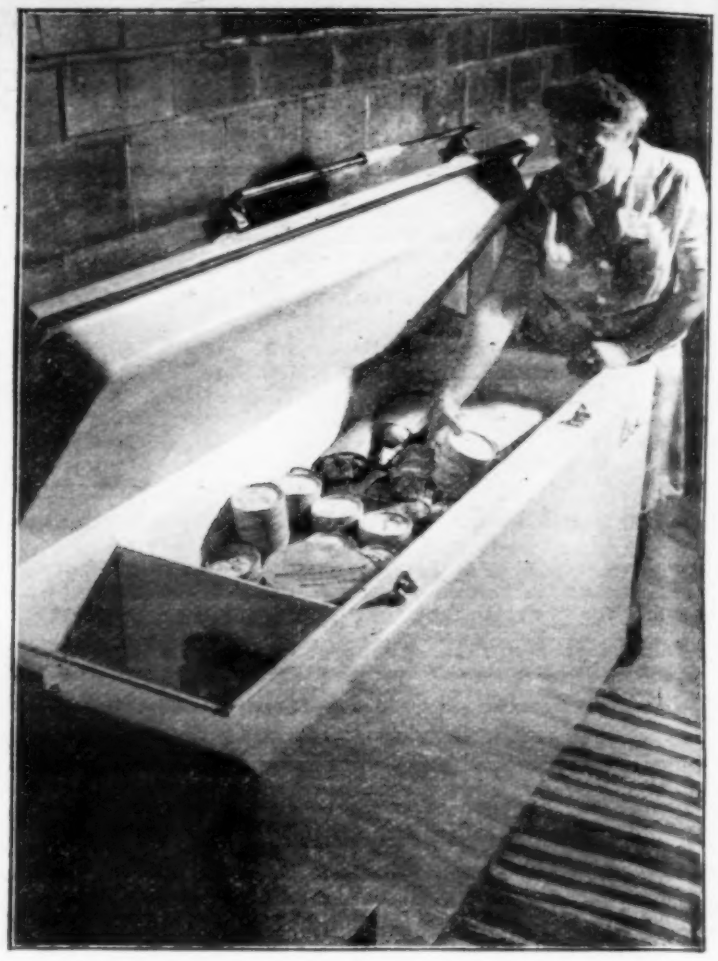
No. 8215—Smartly tailored two-piecer that's equal to any occasion. Try a light-weight woolen cloth in stripes or solid tones. Sizes 11, 12, 13, 14, 16 and 18.

No. 8216—Just one yard of lovely material to make each of these handsome hostess aprons. A wonderful gift suggestion. Sizes 14, 16, 18, 20, 40, 42 and 44.

No. 8225—She'll wear this dear little bolero outfit for school or Sunday best with pride and joy. Sizes 3, 4, 5, 6, 7 and 8 years.

No. 8219 — Little puffed sleeve dress high-lighted with contrasting yoke and a saucy bow. Sizes 2, 3, 4, 5 and 6 years.

Patterns may be secured for 25 cents each, in coin or stamps (coin preferred). Send all orders, enclosing payment, to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. There are sometimes delays in the mails, so send your orders well in advance.



Mrs. Elmer Delfs (left), Grundy county, Iowa, says that with ten members in a household, a dish-washer is a very handy thing. Mrs. Roe Anderson, a farm housewife in Polk county, Iowa, has her new home freezer in the basement. It saves a good many trips to town.

Drudgery Is Over

Wouldn't Grandma Be Surprised to See Our New Equipment?

MANY farm homemakers are wanting to buy new household equipment this season. They've waited patriotically during the war years. Now they drool over pictures of the modern kitchen with all of the new conveniences.

Household equipment is again available. Many brand-new items. Old standbys in smart styles. But what to buy first.

What do farm women consider the greatest labor-savers in doing their household chores of getting meals, washing and cleaning?

One lists four: Electric washer, electric iron, vacuum cleaner, refrigerator. (If yours is one of the fortunate 72 per cent of Iowa farm homes now supplied with electricity.)

Dr. Louise Peet, household equipment head at Iowa State College, would include a fifth—an electric or a gas range.

In a recent Wallace-Homestead Poll, 22 per cent of the women were looking forward to a new washer. At a meeting of 30 Hardin county, Iowa, women, three wanted an automatic washer.

Regular type washers are now more streamlined. Moving parts are better enclosed, to avoid grease stains. Wringer rolls are kinder to buttons and buckles. Wringer release has been made more sensitive, for safety.

If there is no floor drain in the washroom, you'll appreciate the motor-driven pump which will drain the washer tub into your sink.

One washer has a vertical agitator, the other a perforated tub, using lift-drop action. The former is faster, the latter is more gentle.

With a machine that is completely automatic, you feed in the soiled clothes and then forget about them until they are washed, rinsed and damp dried.

It requires hot and cold soft water under pressure, and a waste drain. More rural women have these facilities than 10 years ago, when the washer came out.

One machine uses a vertical agitator in an 11-gallon tub. When finished with the soapy water, it is spun from the tub and agitated for four minutes with cool rinse water. Then cold water is put thru for four minutes. Eight minutes more, and the clothes have been whirled damp-dry.

An automatic dish-washer can be used with this machine. Lift out the agitator and clothes tub and replace by a water distributor and dish drum.

The automatic drier is a companion piece to some washers. It's a boon for rainy days and sooty backyards. It takes about 45 minutes to dry an 18-pound load of damp-dry clothes. They're tumbled in a current of heated air, and come out fresh and fluffy. It works automatically. Built for either gas or electric heat.

Automatic electric ironers are high on the want list, following commoner equipment. Six out of the 30 Hardin county women put it first. (Eight per cent of those interviewed in the state survey.)

A new model draws the piece to be ironed away from the operator, making it easier to see the work. It has both knee and finger-tip controls.

It irons anything, but, like driving a car, it takes a while to learn, since you must do several things at once.

Safety from burning or accidents is provided by a convenient release bar. A slight touch, the shoe opens four inches from the roll, and current is shut off.

One handy style of electric ironer may be folded up and wheeled into the storage closet when you are thru.

Electric ironers use about 1,300 watts. Prices on driers and ironers run up to about $200 each. Automatic washers may be bought for up to $250.

For frugal souls who continue as iron pushers, there are further improvements in electric irons. Some styles are pointed at both ends. This speeds work, by making it unnecessary to reverse the iron. In one, the point at the heel is not in contact until tilted back. Sloping beveled edges in the new models slip under the buttons easier.

TRY THIS CRUMB SPICE CAKE

Combine following ingredients lightly till they crumble: Two and one-half cups sifted flour, two and one-half cups brown sugar, three-fourths cup soft butter or shortening.

Use pastry blender or finger-tips. Do not permit crumbs to become oily.

Reserve one cup of crumbs. Add to them three-fourths teaspoon cinnamon and one-half cup chopped nutmeats.

Add to remainder of crumbs: One-half teaspoon soda, one-half teaspoon salt, one-fourth teaspoon nutmeg or cloves, one-half teaspoon cinnamon, two teaspoons baking powder.

When blended, add one cup sour milk and two beaten eggs. Beat batter until it is smooth.

Put in a greased 9x12-inch pan.

Bake in a moderate oven for about 10 to 20 minutes. Spread reserved crumbs over top. Bake till done—5 to 10 minutes longer. —Mary Knebel, Black Hawk County, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

I'M a little ashamed at the way our 100 pounds of sugar has disappeared this summer. We've not made many cakes; I've practically lost the art of pie-baking, and the man of the house swears the cooky jar is about as lean as in the war years.

* * *

But what a jam and jelly bust we've been on! The strawberry crop was an invitation to extravagance. A whole lug of apricots went into golden marmalade. A lug of Bing cherries found added bulk with rhubarb, and we went on another sugar binge. There were berries and peaches and clear, transparent apple jelly——

* * *

To be sure, I excused my extravagance by labeling a lot of the output for the Newlyweds. But the event that really gave me pause was peach pickles.

* * *

It was so many years since I'd made any that I had to look up my old recipe. Twice as much sugar as vinegar! Oh, no, it couldn't be. I looked up other recipes. But no, that seemed to be the approved proportion.

* * *

And the apple pickles? And that mustard-tumeric mixed job that took six cups of sugar for the dressing? And cold catsup that took—oh, goodness, I hate to say. Well, anyway, we've learned we can do without, and discipline is good for anybody's soul. But to be undisciplined gives a lovely, lavish feeling.

* * *

Last spring, I visited in Webster City, Iowa, boyhood town of MacKinlay Kantor. While there, I started his book, "But Look, the Morn." I am glad I can tie the book up to the wide prairie and to the flourishing middle-western town of which he writes.

* * *

I didn't get my hands on another copy until one of the hottest days this summer. I finished it that day, completely oblivious of the heat. Be sure to read it!

You may feel a bit impatient over his pity for the poverty-ridden lad of his childhood. You may think he loved his mother to the point of idealism — a refreshing change, you must admit, from most remembered annals we have been given lately. You may feel he wasn't "fair" to some Webster Cityans, but what of it?

* * *

I'd like to see you write the story of your childhood and have everybody think that you told it right.

* * *

Such a curtain washing the world hasn't seen since 1936. The dusty curtains were a minor casualty of the 1947 drouth, but one that we women could do something about.

* * *

You'd hate to pull back a curtain to let in a wandering breeze. The shower of dust choked your nostrils. Lots of windows over the and were hung with new post-war curtains this spring, but in a few short months their virginal crispness and cheery charm had gone.

* * *

Kittens and children, puppies and grown-ups couldn't find any comfort in the sizzling outdoors, so they crowded into darkened houses.

* * *

They snapped at one another. They panted and perspired. There wasn't a lovable disposition on the place.

* * *

But why gripe about dispositions? Weeds had to be cut, straw had to be baled, seed had to be threshed, hogs had to be watered, cows had to be milked.

* * *

But why gripe about work? It was the corn that took the beating. Human beings could have another year, another season. But corn, fighter that it is, lives by a pre-ordained plan. A spring to be planted in, a summer to grow in, an autumn to mature in.

* * *

Now silos are repaired, drying systems are bought or concocted. There's nothing to fear but frost.

Dianne helps her sister Judy get dressed in the attractive bathroom in the farm home of their parents, Mr. and Mrs. John F. Deegan, of Sioux County, Iowa.

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Keeps in the cupboard

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And as far as performance goes, the MAJESTIC is giving satisfaction to thousands of fine cooks all over the country. Been doing it for over 80 years, too, so you can count on it always being dependable and economical. The best Stove Dealer in your community handles MAJESTIC Ranges. Pay him a visit.

Write today for illustrated free literature, and the name of your Authorized MAJESTIC Dealer.

Serving the 4th Generation

Founded 1865

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Getting ready to feed threshers is quite a job, but it goes easily if you have good help. Mrs. Albert Gluesing (left) and Mrs. Bob Peterson, of Crawford county, Iowa, are getting ready to serve the men, with the help of Alma Gluesing, 10, and Judy Peterson, 4.

COOKERY CORNER

Sausage Balls in Acorn Squash

4 acorn squash
2 tablespoons of fat
2 cups of sausage meat.
2 beaten eggs
2 tablespoons of milk
4 tablespoons of brown sugar
8 teaspoons of butter

Split squash and remove seeds. Put two teaspoons butter in each hollow and one or more teaspoons of brown sugar. Sprinkle with salt and pepper. Place in a shallow pan and cover bottom of pan with a little water. Bake in a moderate oven one hour. Mix sausage with egg and milk and form into eight small balls. Roll in flour and then brown in skillet. Place sausage balls in center of each squash. Heat 10 minutes more and serve very hot. Enough for eight.—Mrs. Nick Marra, Sioux County, Iowa.

Chocolate Bread Pudding

3 cups of milk
1½ squares of unsweetened chocolate
2 eggs, slightly beaten
½ cup of sugar
¼ teaspoon of salt
1 teaspoon of vanilla
2 cups of cubed stale bread

Add chocolate to milk, heat in a double boiler. When chocolate is melted, stir well. Combine eggs, sugar, salt; add chocolate mixture to this, stirring well. Place bread in buttered baking dish, pour mixture over bread. Let stand five minutes. Mix well. Place dish in pan of water and bake one hour, or until pudding is done.

Walnut Sticks

1 cup of brown sugar
½ cup of sifted flour
¼ teaspoon of salt
½ teaspoon of vanilla
2 eggs, well beaten
1 cup of chopped walnut meats (Iowa black walnuts are best)

Add sugar, flour, salt and vanilla to eggs and mix well. Add walnut meats. Spread in a greased shallow pan (9x12½ inches) and bake in a 375-degree oven for 20 to 25 minutes. Cut into strips and remove from pan while warm. Makes 24. (Two inches by half an inch is a nice size.) Shake each stick or rectangle in a sack or box of confectioner's sugar.—Mrs. Mildred G. Cooper, Boone County, Iowa.

Mock Chicken Pie

6 tablespoons of butter
6 tablespoons of flour
¾ teaspoon of salt
¼ teaspoon of pepper
3 cups of milk
1 pound can of tuna fish
4 carrots, cubed (cooked)
4 potatoes, cubed (cooked)
1 No. 2 can of peas

Crust—

2 cups of flour
6 tablespoons of shortening
3 teaspoons of combination baking powder
1 teaspoon of salt
¾ cup of milk

Make sauce with first five ingredients, add tuna fish flaked in big pieces, add vegetables, more salt and pepper, and heat to boiling point in casserole. Place crust on top. Bake for 30 minutes—first 15 minutes in 450-degree oven, finish at 350 degrees. — Cora Haupert, Keokuk County, Iowa.

Frozen Lemon Pie

2 egg yolks, slightly beaten
⅓ cup of sugar
½ teaspoon of grated lemon rind
2 tablespoons of lemon juice
2 egg whites
2 tablespoons of sugar
⅔ cup of cream, whipped
12 to 14 vanilla wookies

Combine egg yolks, one-third cup of sugar, lemon rind and juice. Cook in top of double boiler until thick, about three minutes, stirring constantly. Cool. Beat egg whites until stiff, gradually add two tablespoons of sugar. Fold egg whites and whipped cream into egg-yolk mixture. Chill. Crush vanilla wafers with rolling pin. Cover bottom of shallow freezing tray with half of crumbs. Pour lemon filling into the tray and cover with remaining crumbs. Freeze in refrigerator without stirring. To serve, cut across tray diagonally to form wedges. Serves six.

Cherry Pudding

1 cup of sugar
2 tablespoons of butter
1 egg, well beaten
1 cup of sour milk
1 tablespoon of soda dissolved in the milk
2½ cups of flour
1 pint of pitted cherries

Steam in pan with tube for two hours.—Martha J. Whitfield, Kendall County, Illinois.

Mrs. John Martins, of Allamakee county, Iowa, checks her home freezer to see what to serve for dinner.

Everybody's Say-So

All Should Be Happy

Dear Editor: It seems to me that there are too many dissatisfied farm women in Iowa, when we all ought to be as happy as queens.

Take this matter of cooking for the hired man. Think of all that he does for us. We have had the same one for three summers, and when I think of all the errands and his other acts of kindness, I couldn't begrudge him three good meals a day.

We have so many advantages living on a farm—lots of room for our children, lots of diversified interests, good food, milk, eggs, meat and butter at a minimum cost, privacy, and the privilege of being our own bosses.

Then why are not all of us happy?—A Satisfied Farm Wife, Jefferson County, Iowa.

It Can Be a Hard Life

Dear Editor: After reading some of the letters from farm wives, complaining of the hardships of the farm, I feel I must write and tell you that I enjoy living on the farm very much.

Our home isn't entirely modern at the present time, but it will be soon. There is no place except on a farm where a wife can spend so much of her time with her husband.

I was born and raised in town, but I've never been so happy as I am now. I wonder why more women don't feel this way, too.—Mrs. Orville Havsgaard, Brookings County, South Dakota.

Teaching Is Fine—But!

Dear Editor: I had no idea that Iowa had so many bachelors. One of them says that the farm boys have come back to the farms to find that the girls they left behind are gone, leaving only the bobby-soxers.

My experience has been that the veterans came home with brides from other parts of the country, or from other countries, leaving the girls they left behind still behind.

I'm almost 24 years old, and was born and reared on a farm. I have taught school for five years, and like it. However, I have never intended to teach my life away. I'd like to go back to the farm for the rest of my life if I could find the right kind of a farmer.—K. W., Nodaway County, Missouri.

Doesn't Like Drudgery

Dear Editor: Where do all of the scientific farmers keep themselves? There certainly are not any in this region that I know of. I'd like to know some of the older responsible ones. Or are they all young sprouts?

I'm a city teacher, raised on the farm. While I like my teaching profession, I still like the freedom and fresh air of the country. But I agree with the woman who does not like drudgery.

I like the farm, but I want it equipped with modern appliances, so that the city sister can't look down with rightful disdain on her poor country cousin.—M. L., Lucas County, Iowa.

Hired Help Have Problems

Dear Editor: It's easy for women on farms to be happy if they own their farms, or even if they are tenant farmers. But the hired man's wife and family are different.

We never know from year to year where we'll be the next year. Or what kind of a farm operator we'll be working for. I know that lots of farm owners are kind, and we are all treated well. But we have lived on farms where the cattle had more consideration.

It's hard to raise children like this.—R. G., Washington County, Iowa.

Your Family will love this FRESH HOMEMADE BREAD!

HOME MADE BREAD

4 cakes compressed yeast
1 cup lukewarm water
6 tablespoons sugar
1 qt. skimmed milk
4 tablespoons shortening
about 14¼ cups Mother's Best
7½ teaspoons salt

Mix yeast, water, sugar. Scald milk, add shortening. Cool to lukewarm. Add 6 cups sifted Mother's Best. Beat smooth. Add yeast. Beat. Cover, let rise until bubbly. Add flour, stirring. Add salt. Turn onto remaining flour on board. Fold flour into dough. Knead to a smooth, stiff, easy-to-handle bread-dough. Place in greased bowl. Grease surface. Cover. Let rise until light. Slap dough on board to break large bubbles. Knead smooth. Cut in 3 pieces for loaves 5"x10". Knead, shape, place in greased pans. Grease surface. Let rise until light. Bake at 375 F. for 50 minutes.

Try this Mother's Best Recipe

Nothing can take the place of old-fashioned home-baked bread when it comes to downright good eating. It has a flavor all its own . . . and it's so easy to bake with Enriched Mother's Best Flour. Mother's Best is specially milled and thoroughly tested for all home baking . . . and guaranteed to please or your money back. Bake with the best . . . Enriched Mother's Best!

Mother's Best Flour

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Think of it—with SKELGAS and SKELGAS APPLIANCES you get a round-the-clock hot water supply . . . safe, sure, automatic refrigeration . . . cool, fast, carefree cooking. Find out NOW how *you* can have a SKELGAS kitchen!

TUNE IN—NBC, 7:00 A.M.
WMAQ—Chicago, 6:45 A.M.

Lloyd Burlingham
With farm news and weekly winners in the Skelly Agricultural Achievement Award, every Saturday.

Alex Dreier
With the first network news commentary o the day, Monday through Friday.

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No Room For Wives

Farm Women See Their Husbands Start on a Month's Tour of Europe

The last few years, we've heard a good deal about the girls that the soldiers left behind them. Now here is a story about wives that the farmers left behind.

The 22 farmers who boarded two big planes and started off for a month's tour of Britain and the continent of Europe left their wives behind them.

Gladys Hearst, wife of Charles Hearst, of Black Hawk county, was one of the wives who was left behind. She doesn't tell us what she thought about as she saw her husband off, but, whatever it was, other farm wives were thinking just the same things.

Maybe they wondered if they had packed the right things in their husbands' bags—if a pound of tobacco was enough, and would the men wash their socks when they needed clean ones.—Z. M.

THE engines of the big plane roared. Their noise blocked out all other sound. The silver ship gathered speed on the runway. It circled, paused hesitantly, then, after a deadening burst of its motors began to climb. The Iowa farmers were aloft and on their way over.

There were some news writers with the farmers, to report what they saw, but what of the wives, families and sweethearts on the ground, wishing the men a happy, worth-while journey?

The women had played a very important role behind the scenes in this drama. As each member of the party considered whether he should go, his wife had said: "Why not?" and had encouraged him in making the trip.

C. M. Wilson, information specialist of the Farm Bureau and director of the tour, gave his wife credit for starting the trip. She asked him why it wouldn't be one way for the Farm Bureau to get into action for world understanding. That started the exploring of the possibilities.

Every farm woman at the Des Moines airport hoped this journey would bring stronger world friendship, cooperation in solving farm problems, and, of course, peace.

And they had not lost sight of these aims in the exciting activities of the preceding month. They had learned the necessity of birth certificates and passport pictures ("rogue's gallery" exhibits) and that passports cost $10 ($1 at the county courthouse and $9 to the Department of State).

And that after passports there must be visas for each country to be visited. Smallpox vaccinations came next.

These wives had packed bags not to weigh more than 66 pounds, as allowed for air travel. It was quite a task, but a pleasant one, to see that the traveler had towel, soap, dark shirts, plenty of underwear and socks, and two medium-weight suits of clothes.

They didn't forget to include mending kits and some soap chips for laundry, and chuckled as they thought of the men performing these necessary tasks.

Notebooks, addressed envelopes and tobacco were in those bags—not to mention razors, nail files and tooth brushes.

Wives were busy, too, checking maps, money and language guides at the local library, and getting other needed reading background for the travelers. How could the Iowans observe intelligently if they hadn't studied all the available material they could find on the European situation?

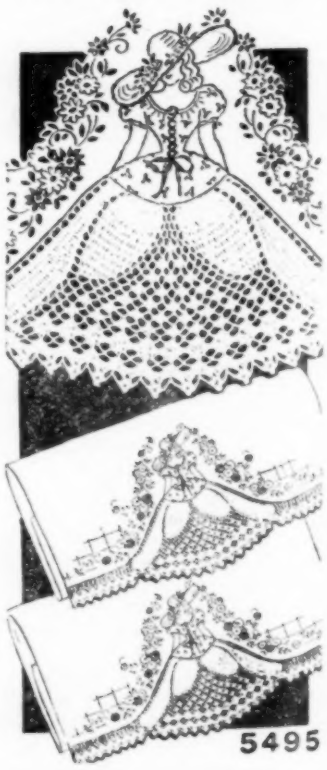
They hadn't had near enough time to learn all they wished, but they had done quite a bit. And, as one woman observed:

"A country lad learns to see a great deal. I don't think they will miss much. And I'm sure, come October, they'll have lots to tell."

Women who saw their husbands off were:

Mesdames Harold L. McKinley, Mitchell county; Howard Waters, Des Moines; Harlan Russell, Jones; Cedric Hall, Woodbury; L. C. Peterson, Montgomery; M. E. Donelson, Boone; Joel Clark, Clayton; Arthur E. Meyer, Scott; Roscoe Eliason, Louisa; Rex B. Conn, Linn; Anton Heitschusen, Iowa; Leo Bruening, Winneshiek; Jack Dethmers, Hancock; Wayne Keith, Kossuth; Le Roy Getting, O'Brien; W. H. Davidson, Cedar, and Henry G. Plagmann, Iowa county.

Southern Belle



Unusual dresser scarf or pillowcase decorations may be easily made from this crochet lace and embroidery design. The four-inch-deep crocheted skirt section extends to the end of the material in a train effect. Garlands of pastel colored embroidered flowers add to the delicacy of the figure. A set of pillow-cases for your hope chest would be fine, or as a pleasing gift for a shower party.

For complete instructions for crocheting No. 5495, send 20 cents in coin or stamps (coin preferred) to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Lunches taste good when you walk a mile, then catch a bus and ride a mile and a half to school. So it's no wonder that everyone is interested when Mrs. Herman Bueoy, of Monona county, Iowa, fixes the lunches.

"Pies Are Too Messy"

But Fruit and Vegetables Can Add Lots of Interest to School Lunches

"LUNCHES have changed a lot since I was young," says Eleanor Wheeler, a Jasper county, Iowa, school teacher. "They go down so much easier."

Then she went on to say that she had noticed that most children eat a better lunch at noon if they don't know exactly what they are going to have. A little surprise in the lunch-box adds to the meal.

Six-year-old Mary Joan Selbher thinks so, too. Mary Joan attends a one-room school in Jasper county, Iowa. The enrollment is 35. Many of her schoolmates are from large families. "Sometimes they just have sandwiches to eat, and nothing else," she said.

But sturdy Mary Joan is more fortunate. Her mother sends a bottle of milk, or chocolate milk, or hot cocoa, and fresh fruit and carrot strips or other vegetables, as well as a variety of sandwiches. Sometimes she'll tuck in a little surprise—candy, perhaps.

If an orange is sent, she'll cut off the top and open out the sections, so Mary Joan can eat it easily. Or she may put the orange pieces in a jar, with sugar over them.

Generous use of lettuce helps to make the lunch more appetizing. Some of Mrs. Selbher's sandwiches are of lettuce, sprinkled with sugar. Others send lettuce in a jar, to keep it crisp, for the child to eat with sandwiches. For it goes nicely with meat, or tomatoes, or even peanut butter.

"I just love peanut butter," said Mary Joan. It is a nourishing protein food. Like beans, it provides a cheap substitute for part of the meat. But, as many will agree, peanut butter sandwiches are awfully dry. Some mix it with honey, or jelly, Miss Wheeler said. Or salad dressing might help.

Here's the kind of lunch that Mrs. Henry Geerling puts up for her 12-year-old boy—one of Miss Wheeler's pupils:

First, two well-filled sandwiches. "It is what is between that counts," she said. For that she uses cheese, or egg (might be as egg salad), or roast beef, ham or fried chicken. As another suggested, children get awfully tired of just lunch meats.

Then fresh fruit—always two kinds. She uses fresh fruit in the lunch pails, "for they have the canned stuff at night." Then plain milk, or other drink. Also fresh vegetables, in a mixed salad—or just carrots or tomatoes, kept crisp in a jar. And cookies or cake.

"Never pie," says Mrs. Geerling. "It's just too messy for a lunch box. He can have that when he comes home."

Whether the lunch is adequate or not depends greatly on what the family habits are for the other meals. As one Hardin county, Iowa, mother explained, she tried to have a big, nourishing meal at supper-time, to make up for what her daughter might miss in the noon lunch.

Most youngsters expect a lunch as soon as they get home from school. Mrs. Geerling has one for her boy, and a good one:

Two soft-cooked eggs—always. More milk. Raisins. An orange. Cake or cookies. And a "double-decker" sandwich. Her boy has breakfast with the family about 7 a. m. and supper about 7 p. m.

"Some don't want much in their dinner pail," Miss Wheeler said, "so they can eat in a hurry and have fun at noon—then have a full meal when they get home."

Some older children get the idea a lunch pail is "childish." High school girls, especially, will get a sack-lunch craze. Miss Wheeler told of some who would tumble their lunch into a small salt sack that could be tied to a bicycle.

But you can't pack an adequate school lunch into any kind of sack. Fortunately, most high schools now have hot lunches as a supplement.

While more fresh fruits and vegetables are used in lunches today, they are still apt to be short on meat, eggs and other protein foods.

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THROW away all previous ideas of what coffee *should* taste like. Clear the decks for a *different* coffee flavor, so delightful, so distinctive, it is first choice for flavor, the largest-selling brand of coffee in the great over-all-area where Folger's is sold.

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ALL BLINDS 70" LONG

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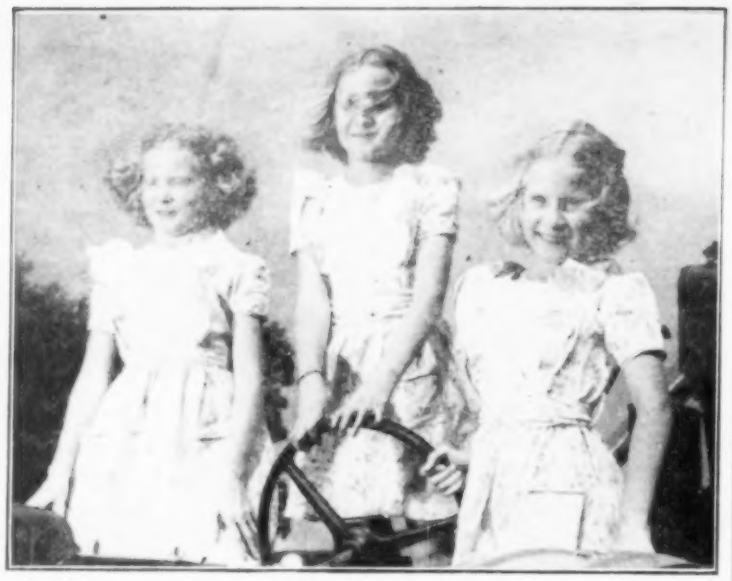

Some folks are lucky and have twins, but Mr. and Mrs. Carl H. Lovik, Winnebago county, Iowa, have triplets—Darlene, Donna, Dolly, aged 10.

Garden Jobs For Fall

It's Time to Clean Up Garden and Store Surplus Vegetables

IT HAS been a tough year for gardens. The downpours of rain in the spring packed most garden soils and made them almost unmanageable for the rest of the season.

Garden pests have been abundant in places, and a carry-over supply may be in hiding among melon and tomato vines, and even in some weeds in or around the garden.

Getting rid of these pests isn't as easy as it first seems. If they were well controlled by dusts or sprays during the season, the next year's problem will be simplified greatly.

Remaining trash should be carefully gathered and thoroly burned as one of the jobs that must be attended to this year.

Some of the adult insects live thru the winter, to start all over again when spring comes. In other cases, the eggs over-winter in the soil or left-over vegetation, hence the necessity of making a thoro clean-up.

If any eggs or insects are already located for winter, their plans will be frustrated by a good job of late fall plowing, which will naturally destroy their winter housing plans.

This fall plowing has a threefold advantage over plowing in the spring. Destroying insects is one. Earlier spring planting is another, and soil conditioning is the third.

When it is left as plowed, the surface soil will catch and hold the winter moisture, and the alternate freezing and thawing will work wonders toward getting the soil ready for the early spring planting time.

Most of the summer planted garden will naturally occupy its allotted space until some weeks after average killing frost date.

Turnips, carrots, beets, parsnips and cabbage can usually take the cold snaps until early November. Then it is vegetable storage time, and you'd better be sure to have the fall plowing all done before Thanksgiving Day.

Proper storage makes the garden do double duty. Why should not the gardener have fresh vegetables all winter?

Good storage requires a cool, moist place. This, of course disqualifies basements with furnaces.

The old-fashioned cave did very well, but not many have caves. Those who have them get good results by opening or closing the doors according to the outside temperatures.

Old-timers kept their seed potatoes and vegetables, and even apples, in well-covered storage pits, but the contents were not available for winter use.

During recent years, a modern adaptation of the old storage pit has made it possible to have really get-at-able, inexpensive and efficient storage.

A box, barrel or large tile is sunk into the ground to within four or five inches of the top, and the dirt spread around so surface water will drain away.

Too large a space is objectionable, for vegetables may sweat or heat and not keep. It is better to provide two or more similar pits if large quantities of vegetables are to be put away.

Several kinds of vegetables can be mixed and stored in one pit, or one or more partitions would make it possible to keep each of the vegetables in its own place.

We have often had three such barrel pits, one for cabbage only, the others for mixed vegetables. Sometimes we have put away quantities of the poorer cabbage specially for green feed for the poultry.

Tight-fitting covers will keep the mice from wintering with the vegetables. After the ground becomes frozen, a good, deep covering of hay or straw will keep the inside temperature of the storage pit uniformly cold.

A circle of old fencing will prevent the chickens or winds from scattering the covering. — Victor Felter, Warren County, Iowa.

DON'T LET HOUSEWORK WEAR YOU OUT!

You don't have to exhaust yourself when it's cleaning-time—not if you put tested Lewis'* Lye to work for you. Its many household uses are all listed in the free Lewis' Lye booklet, "The Truth About a Lye," but here are just a few of them:

Helps soften water. Makes wash day easier. Cleans and removes grease from unpainted wood floors, shelves and cupboards. Leaves washbowls and refrigerators sanitary. Helps make drains free flowing and sanitary. Helps destroy the cause of many odors when used in your cellar and garbage can. All these and many other benefits are yours with Lewis' Lye, yet it costs so little. Be sure you use Lewis' Lye—it's double-refined for high-test quality.

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Send order today—prices apply only while supply lasts. Will include new Fall Planting List with excitingly low offers and showing in natural colors every Spring-blossoming bulb we grow.

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for new goose and duck feathers. Feathers must be free of quills and contain natural down. Old feathers—send sample for price. No commission charge. PROGRESS FEATHER COMPANY, 657 W. Lake St., Chicago 6, Illinois.

Lines From ... Aunt Lib

On Living Rooms

COUSIN EM was talkin' about her neighbor. (Women will do that, won't they?) I had said what a nice house she had.

"Yes," said Cousin Em; "but there's nothing in her living room but chairs 'n' davenports."

That got me to thinkin'—a real home wants to look like it's been lived in.

Aunt Lib

I recollect when I went to club once, at a real fancy house. (Yes, they were farmers, too.) There was young children at home, but you wouldn't of guessed it. Their front room was as bare as if no one ever lived there.

That don't mean a room has to be cluttered up. We homemakers take pride in a parlor that's been dusted and shined up.

But what Cousin Em meant was that she'd have music on the piano, and books lyin' around, and pretty pictures on the walls, and maybe plants a-bloomin'. And a box of toys in the corner, for children or grandchildren.

Even a worn seat on the easy chair makes a room look more homey. If everything's too fresh and new, you'll think you're in a furniture store instead of a home.

You can tell a lot about a family by just steppin' into their living room. And I don't mean by this whether they are clean or dirty, either.

I'm tryin' to say this: If they like reading, there'll be papers and magazines lyin' around. Maybe a book open on its face, to hold the place. If they like music, there will be some instruments in the corner, or song books at the piano.

If the woman likes knitting or fancywork, you'll likely see her sewing bag handy. If the mister spends his evenings listenin' to the radio, it'll be settin' close to his easy chair.

But, laws sakes! I shouldn't 'a' got started this way. I wonder what folks'd think if they saw my living room right now:

Patricia Hoffman, with one of the calves on her father's farm. She is the daughter of Mr. and Mrs. Ken Hoffman, of Black Hawk county, Iowa.

Watch her smile!

SETCHELL-CARLSON!
$24.75

WHEN YOU BRING HOME A

Help her while away pleasant hours in the kitchen with this sparkling new Setchell-Carlson Radio! Bring the world of music and song, drama and laughter, news and information to her finger tips. Choose a finish to match her color scheme . . . pick a modern plastic cabinet for beauty and permanence . . . select the dependable, rich-toned Setchell-Carlson for all around enjoyment.

- **Larger models** available for poor reception areas.
- **32 Volt models** also available.
- **See your local radio dealer.**

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WHAT IS *Automatic* WINTER COMFORT?

Automatic winter comfort is simply having a nice warm house without having to give it a thought. And you can have just that next winter, and every winter, if your central heating plant is equipped with a Williams Oil-O-Matic Low Pressure Oil Burner.

Why can we say this so positively—practically guarantee it? First, your Oil-O-Matic will be scientifically installed to give you maximum heating efficiency. Second, your fuel storage tank will be kept filled *automatically*. Third, conveniently located factory-trained and supervised dealers provide responsible service.

How do we know we can do this? We have been in business over 30 years and are the largest manufacturer of oil burners in the world. In fact, with hundreds of makes to choose from, every eighth oil burner is an Oil-O-Matic. Again, Oil-O-Matic's Low Pressure Principle of Oil Atomization not only allows it to burn today's oils more efficiently and economically, but will be even more economical when the new, hotter, but harder-to-burn catalytic oils come into general use. The Oil-O-Matic Low Pressure feature also increases the life of the burner. Witness over 90.4% of all Oil-O-Matics sold over the past 20 years are still in operation.

These are strong statements—but they are facts and you can check them. You'll see that when you install an Oil-O-Matic in your heating plant you can forget your heating worries. That's the Oil-O-Matic reputation. Just clip the coupon, and we will send you the facts and proof.

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AVERAGE EGG YIELD PER BIRD REACHES NEW PEAK

Arthur J. Hannah

describes factors responsible for the rise: "Greater use of well-bred stock plus increased use of scientifically balanced mash and better management are major factors in the increase in average egg production."

MR. HANNAH, of Grand Rapids, Mich., a breeder of R.O.P. poultry.

IN 1940, the average rate of lay was 134 eggs per bird; in 1946 the average layer produced 154 eggs.

During these years, poultrymen used a greater quantity of scientifically fortified manufactured feed than ever before. This was an important factor in the rise in egg yield, according to many authorities. The predominant source of Vitamin D used in these feeds was "Delsterol"* *"D"-Activated Animal Sterol.*

Scientific Source of Vitamin D—Originated by Du Pont

"Delsterol" *"D"-Activated Animal Sterol* is consistent in quality and exceptionally stable. It does not impart "off" flavors or odors, and does not congeal in cold weather. Feeds fortified with "Delsterol" supply Vitamin D in a form readily assimilated by the birds.

Your birds get complete protection against Vitamin D deficiency when you use manufactured feeds fortified with Du Pont's *"D"-Activated Animal Sterol.*

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Write for your copy of a free booklet published by Du Pont, containing a timely article on scientific feeding written by a leading poultry authority. It is fully illustrated and up-to-date. Address E. I. du Pont de Nemours & Co. (Inc.), Organic Chemicals Department. WAF. 79, Wilmington 98, Delaware.

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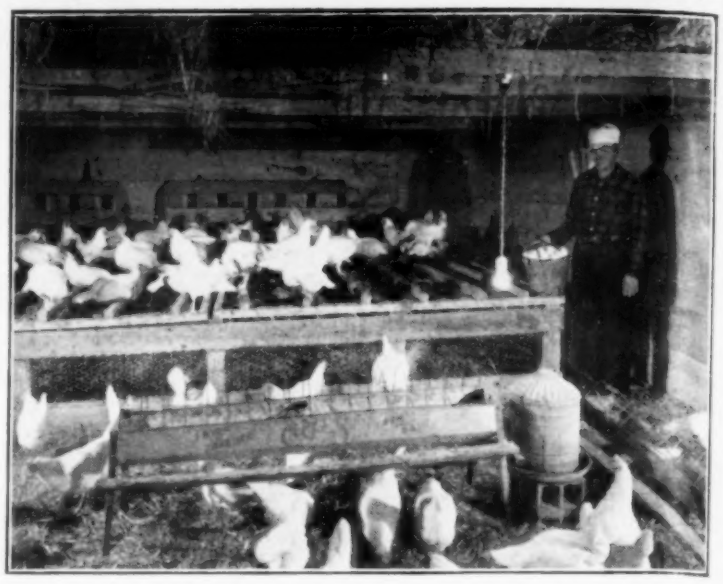

Modern laying houses look like this one in Jasper county, Iowa. Raised feeders and fountains, droppings pit, straw loft and lights for night laying will help boost egg production of your hens.

THE FARM FLOCK

NEWCASTLE DISEASE has been found in several places in Iowa. That's the report from C. D. Lee, poultry veterinarian at Iowa State College. So far, it hasn't caused any higher death-rate than other poultry diseases.

▲ ▲ ▲

BUT PRECAUTIONS should be taken to keep Newcastle from spreading. Keep visitors out of poultry yards. Trucks and cars which go from one farm to another should be kept away from hen houses and yards.

▲ ▲ ▲

CLEAN AND DISINFECT shoes and outer clothing before entering poultry houses and pens. Where Newcastle is known to exist, clothing and footwear must be disinfected again upon leaving the yard.

▲ ▲ ▲

SCRUB AND RINSE hands and arms after handling chickens—even tho the birds seem healthy. If your birds are sick, clean and disinfect everything with which they've come in contact.

▲ ▲ ▲

IF YOU THINK your birds might have Newcastle disease, call the veterinarian at once. Upon his recommendation, suspected birds can be taken to the Iowa State College laboratory for verification of the disease.

▲ ▲ ▲

PULLETS SHOULD be deloused when they are housed. Dust the birds or treat the floor with sulphur. If you use nicotine sulphate, repeat treatment in 10 days.

▲ ▲ ▲

DON'T HOUSE the new crop of pullets until the laying house has been cleaned up. Be sure that feeding, watering and roosting equipment are in good repair, too.

▲ ▲ ▲

SORT LAYERS carefully. Profits from your laying flock can be boosted by weeding out pullets that aren't well-fleshed, with good body size.

▲ ▲ ▲

DROPPINGS PITS and deep litter in the laying house can cut cleaning time by 75 per cent. A good pit requires three or four cleanings a year. Deep litter can stay in the house an entire year. Super-phosphate can be used to keep down odors.

▲ ▲ ▲

LOCKER PLANTS and home freezers have made it easier to eat fried chicken whenever you want it. Instead of buying both early and late chicks for summer and fall fries, you can start them all early and freeze the extras.

▲ ▲ ▲

CULLING LAYERS closely is a good idea any time. But there is no use doing it unless hens have been kept under conditions favorable to egg production. No one can do an accurate job unless hens have had a fair chance.

▲ ▲ ▲

ARE YOU one of the poultrymen who use the big-egg argument for keeping old hens more than a year? It makes sense only if you have a separate house for pullets. There is too much evidence to show that mixing pullets and hens will cause more disease losses than all your big eggs are worth.

▲ ▲ ▲

NO LAYER deserves more than one chance to go broody. When you shut up a brooder, mark her by clipping her tail. If she goes broody again later on, sell her.

Green Feed for layers is easily supplied with wire rack for alfalfa in the hen house.

Egg Factory has been started by Rick Henley, of Warren county, Iowa, since his return from 52 months in army. Rick, Mrs. Henley and young Gelene crate eggs for the Des Moines market. The Henleys housed 700 pullets early, are getting 450 eggs per day.

Sell Those Old Hens

You Can't Beat an All-Pullet Flock

A POPULAR radio program used to start out with: "What are you doing now?" I wish I could ask every reader: "What are your chickens doing now?"

Some flocks have been culled and housed for winter. Some are in the laying house, but on free range at least during a part of the day.

But a lot of good pullets are still crowding the brooder houses, while a flock of tired, old hens is holding down the laying house. And there are lots of flocks where spring-hatched pullets and roosters are still ranging together.

I can not understand why anyone wants to wait till pullets are culled to get rid of the roosters. If you have some breeding cockerels, that's a different story.

We keep a few cockerels to eat, but they are always clear apart from the pullet flock. Pullets can never hold their own with a lot of scrappy young cockerels crowding them away from feeders and waterers.

What about those "tired, old hens"? Ours were doing a good job when we took our vacation. But the extreme heat cut down production rapidly. It also cut down several of the hens as well. We got home one night, and, by the next noon, the hens were sold.

It is true that many would have come back into production later. But they would have been "boarders" for many weeks.

We could not see putting high-priced feeds into old birds that at best would lay only about 75 per cent as many eggs as they produced in their first year.

We used to keep all the old hens we could for the hatchery season. Their chicks were supposed to be stronger. We tried it for many years, and had about 50 per cent of our eggs culled out for poor shell texture. We struggled with colds and roup. Our hen loss as spring came on was heavy.

For the past three years, we've kept nothing but pullets. Now our hatchery demands an all-pullet flock every year. This year, our hatchability averaged above 90 per cent. Eggs were large and well shaped, and cull percentage was very light.

We feel that we have proved that pullets can do the job as well as hens, and will lay 25 per cent more eggs besides. We have had no colds in our flock since we cut out the old hens. And our death losses have gone down almost to nothing.

Even if we were not concerned with hatching eggs, we would feel just as strongly about keeping an all-pullet flock. Numbers count tremendously if you do not have that hatchery premium.

With an all-pullet flock, we have to buy eggs for our own use for about two months each year. But it doesn't take many. We save a lot of feed, which goes farther in developing a good young hen than in "rebuilding" a molter.

We have more time to prepare the laying house for the young flock, too. We've rearranged roosting pits and used new wire mesh thruout. We made new stands for the waterers, put in new eaves spouting along the front wall to hold the grit and shell.

We patched a lot of plaster and put a new "wash" of almost pure cement over the plastered wall. That will discourage the hens if they try to pick the newly-sprayed plaster. We've made new screen doors and rebuilt part of the sun porches. We have scraped the ground under the sun porches with a grader and have hauled in fresh dirt.

Best of all, we have cleaned our feed room and have taken out some old cabinets which were only "catch-alls."

Never again will I keep old hens into their second year. I'm convinced it doesn't pay. What do some of the rest of you think?—M. B., Jasper County, Iowa.

Get These EXTRA FEEDING ADVANTAGES

with **Kellogg's EGG MASH**

Here's a feed that's built to do more than balance the ration! It's built for *extra* palatability. Built to encourage your birds to eat what they need for *extra* eggs — the *profit* eggs — *that make all your feed costs cheaper!*

Kellogg's fortified Egg Mash supplies abundantly the vitamins, minerals, and proteins that are lacking in grain. That's why it helps cut feed waste . . . turns grain into extra eggs . . . and helps your hens stay in top laying condition month after month.

Put your hens on Kellogg's Egg Mash now. It's economical, dependable—easy to feed. In every respect it measures up to Kellogg's 40-year reputation for quality and satisfaction. Kellogg's Egg Mash is available in pellet form, and in plain or dress print bags.

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HUMBOLDT, IOWA — Farmers' Co-op Elevator
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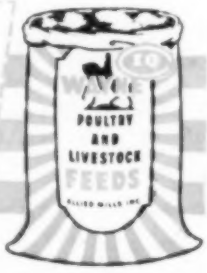

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Get Ready For Pullets

It's Time to Clean House and Equipment

To the Editor: Letting the pullets stay out on range until most of the green feed is gone is a good idea, to my notion. It saves feed. And the pullets are happier and continue to grow faster.

Uusually, only a few pullets are laying when we house them, even if it's after the first frost or light freeze.

However, we should not put off getting the hen house cleaned and the equipment and house in good repair for the laying season ahead.

There is no more logical time to do this than the period between the removal of the old hens and housing of the new pullets.

The first step is to clean or remove all old litter. Then sweep down dust and dirt on walls and give the house a good disinfecting. It's a good idea to disinfect on a warm day when walls will dry quickly.

Some poultrymen like to whitewash their hen houses. Whitewash gives more light and makes feeding hours longer.

But I have found that crude carbolic acid is so good for keeping the house free of mites that I prefer it to the whitewash method.

I paint the inside of the laying house with full-strength crude carbolic acid. Then the house is left open for a week or so until the strong odor is out. Pullets do not like to be shut up in a house when there is a strong odor. It may throw them into a molt or cause a drop in egg production.

After the house has had a good airing, see that adequate hopper space is available for the birds. It is a good idea to use hoppers similar to those to which pullets have become accustomed on range, as then they won't be afraid of the hoppers and will not lose weight when they are shut in the laying house.

Be sure you have plenty of hoppers. I use 10 five-foot feeders for each of my 20x20-foot laying units. I set three on the roosts and seven in the space just in front of the roosts.

The feeders on the roosts have no legs, but have a good reel on top, so the hens can not roost on them at night.

But the feeders in front of the roosts are set on legs so the hens can't scratch litter into the hoppers.

If you have plenty of feeders, timid hens will have as good a chance as others. Hens also need as long an eating period as possible in the short days. Plenty of feeders are almost as important as having lights in your chicken house.

I use two water fountains on the roosts and three on the floor in front of the roosts. This is for a flock of about 250 hens in a 20x20-foot unit. If you use pails instead of fountains, they should be emptied oftener.

Your pullets will produce more eggs if their water is clean. A rack should be used to hold the pails in position so they won't tip over.

If you haven't been using a droppings pit, now is the time to make one. It will save you several days of cleaning work each month.

Last winter, I used both droppings boards and pits. The unit with the droppings pit needed cleaning only once a month. But the unit without the pit had to be cleaned once a week.

A droppings pit can be framed in at the back of the house. About 18 inches off the floor is the right height for placing the roosts. Put netting under the roosts and over the space in front of the roosts, so the hens can't get into the droppings.

With a droppings pit, the litter in front of the roosts will stay dry for a much longer time.—Mrs. O. C., Antelope County, Nebraska.

Eggs Can Be Kept In Water-Glass

To the Editor: What is the proper way to use water-glass for keeping eggs?—C. D., Warren County, Iowa.

Fresh, clean eggs may easily be preserved for later use at home by keeping them covered with a solution of water-glass (sodium silicate). This solution is made by adding one quart of water-glass to nine quarts of water that has been boiled and cooled.

Place the mixture in a five-gallon crock or jar, add about 14 dozen fresh, clean eggs with good, sound shells, and store in a cool place. There should be at least two inches of the solution over the eggs.

Such eggs have little commercial value, but they can be used satisfactorily in home baking. Eggs preserved in water-glass are entirely wholesome, but after several months sometimes develop a stale or strong flavor.

PAW TUCKER—The Boys Always Want to Sleep Out at Least One Night

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When writing to advertisers, will you please mention this paper.

100 Eggs a day are turned out by Joe Jacobsmeyer's flock in Dubuque county, Iowa. Daughter Doris, dressed for the job, doesn't mind gathering them.

Sarah Jane Says:

Too Much Ironing

To the Editor: Ironing took so much time today it crowded out almost all other activities. While ironing, I found several things that needed mending, too. So that is my work for tomorrow.

I have some sewing ready to work on, too. The feed sacks on hand are coming into good use now. Printed material is to be had in dry goods stores, but I think it is very expensive.

I've been giving young chickens cracked corn and soaked oats; also some dry oats. When our corn is a little more mature, I won't be so stingy with chicken feed. (Cracked corn is almost 5 cents a pound.)

People who raise chickens know all about these prices. Some of them, who raise so many chickens, are very courageous people, I think, to go on the faith that they'll ever get their money back from raising their chicks.

People who buy their eggs and dressed chickens do not always think about why poultry products are so high in price. I am still buying eggs, too.

Our chickens have added two other things to their menu—grasshoppers and tomatoes. These birds are entirely too smart about managing to get into the garden. It may be that I'll have to clip a wing for them yet.

We have stopped up all of the openings—we think. So the chickens must fly over the high fence. And the late tomatoes are very nice.

We miss seeing the children in our neighborhood so often since school began. Their dogs are suffering all the pangs of loneliness and lack of petting. The evening greetings between them when the children get home from school are worth seeing.—Sarah Jane, Clarke County, Iowa.

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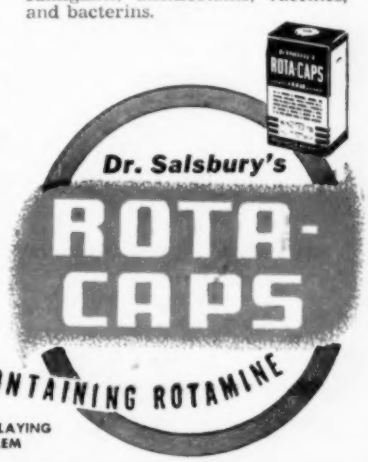

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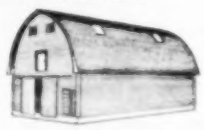

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Native Hereford calves, which have just been weaned, are getting started on oats and alfalfa hay. Lloyd Holland and son Gordon, Story county, Iowa, look them over. Holland got them because he has some corn that won't be good for much except roughage. He figures on letting them grow until next fall, then putting them on feed.

Buy Cattle To Eat Poorest Corn?

Some Farmers Must Choose Between the Risks Of Feed Waste and Risks of Cattle Feeding

To the Editor: I've got 40 acres of corn that won't make good hog feed. Besides that, I have late corn that will be soft or chaffy. There's more poor corn than my hogs can eat. Should I buy cattle to eat this poor corn?—J. M., Adair County, Iowa.

This poor corn can be turned into cattle gains. By feeding the worst corn as fodder or silage, cattle can be carried along thru the winter with moderate gains. Then, in the spring, the cattle can be turned on grass or sold if you don't want to fatten them.

The question is, of course: Will you get paid for the feed, labor and risk in the operation?

Cattle feeding is different from raising calves or hogs. There is a big capital investment. You have to gamble on the price changes in that capital investment while trying to put gains on at a profit.

For example, a farmer bought a carload of feeder cattle at Kansas City at $22 per 100 pounds, in the third week of August. That was just a little under the average price paid for feeders at that market in that week.

The cattle weighed 709 pounds on the average, and cost about $156 per head. Freight costs were extra, of course.

If the farmer who bought these steers feeds them on roughage and some poor quality corn, they might reach a weight of 900 pounds next spring. That would be a gain of about one pound per head per day.

If these steers were sold again as feeders next spring, and the market didn't change, 900 pounds at $22 per hundred would be $198 each for the steers. That would amount to a gross profit of $42. After freight both ways and commission were deducted, he would have the returns for the feed.

If the cattle sold for $20 per 100 pounds, the gross profit would be $24 per head. Freight and commission would have to be deducted from that figure. If the cattle next spring brought only $17.50 per hundred, there would be no returns from the feed.

But, of course, the feeder might feed the cattle 15 or 20 bushels of corn per head, and make medium or good grade beeves out of them. In that case, the cattle might bring more than the cost price, if the market stays up.

If the cattle brought a price of $24 per 100 pounds, and if they averaged 950 pounds in weight, the gross price would be $228 per head. There would be $72 per head to pay for the feed and other expenses. The price could be higher than $24.

As corn fed to the steers increases in amount, the margin between the buying price and the selling price must be greater. Cattle feeders are agreed that the value of the gains alone on fattening cattle won't equal the cost of feed. There must be "margin" to make corn-fed cattle profitable.

Some feeders might get bigger gains than those estimated here. Or the market might provide bigger price margins. You should make your own estimates.

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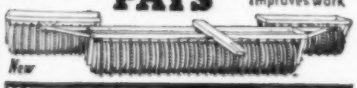

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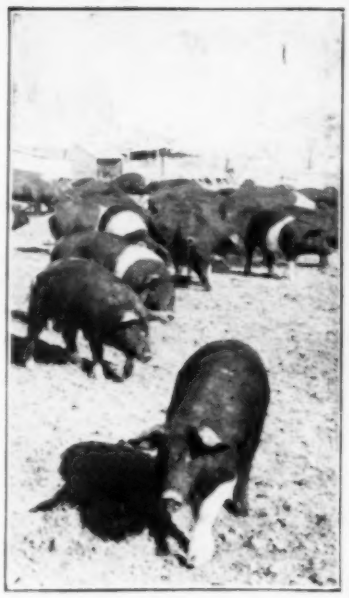

Sows you will breed for next spring's pigs don't belong in the fattening pen, say experienced hog raisers. Range along with bulky feed is recommended.

Separate Sows To Be Bred

"WHY don't you crowd spring pigs and get them to market early?" That question was put to a Marion county, Iowa, hog man. He gave an unusual answer.

"I ought to, because I'm going to be short of feed. But I haven't got the sows I expect to breed separated out yet. I don't want any high-pressure feeding on them."

It is over seven weeks till time to breed sows for March pigs, and over 11 weeks till time to breed sows for April pigs. Does the preparation for breeding take that long?

If you put the question to hog men who have made records in raising big litters, the answer is "Yes."

Two changes in rations for prospective brood sows are mentioned most often by experienced hog raisers.

The grain ration should contain more bulk than for fattening hogs. Oats and alfalfa meal are the feeds most often added to the corn.

Then the brood sow ration should contain a little higher percentage of protein than the ration for fattening hogs. It is also more important that brood sows get adequate supplies of minerals and vitamins.

Mixed proteins—both vegetable and animal proteins—are the most likely to provide the sow with all of the feed nutrients for the job she has to do.

Some warnings are given about separating sows, however. If you are crowded for space, don't separate the sows and put them in a small yard without pasture. That would likely be worse than leaving them with the fattening hogs.

Put the prospective brood sows in the big yard, and put the fattening hogs in the small yard. Fattening hogs don't need exercise.

The second warning given by hog men is this: Don't cut down on the quantity of feed that is given the sows. Just make it more bulky, and more of a growing ration. The sows should be gaining rapidly at all times.

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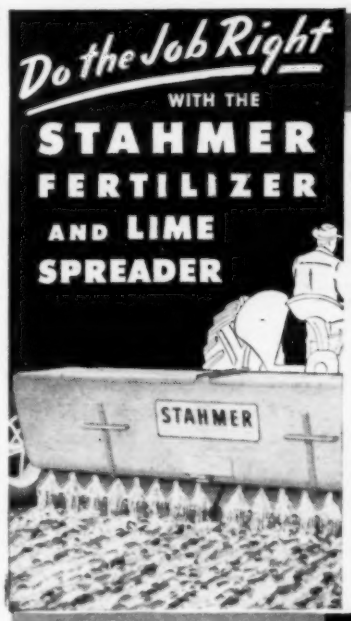

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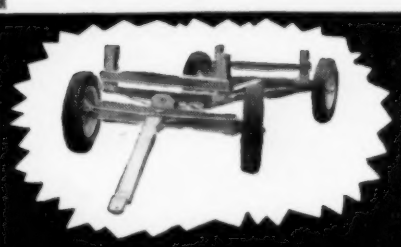
The full rocking bolster designed to take a four-ton load (6 tons on the standard bolster), allows any wheel on the wagon to raise a full 12" without twisting the box. A bolster spring, found only in a Stahmer Wagon, keeps wagon boxes level and lessens load shifting. The entire wagon adjusts for height, width and length. Demountable disc wheels, Timken bearings, high speed spindles, safety steering mechanism, special tongue assembly, adjustable stake pockets and cross pieces, oscillating collar . . . these are a few of the Stahmer features stressing strength and safety. Be sure to see the Stahmer Wagon. You'll like it. The price is right, too.



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You get far MORE than the ingredients shown on the bag when you use Corn King Mineral. Into this great mineral compound goes that extra ingredient, element "X"—the secret of scientific compounding, the years of feed lot experience, the rigid quality controls, which make so much difference between Corn King and ordinary minerals. We sincerely believe there's NO mineral at ANY price to equal this famous mineral for practical proven feed lot value. Ask for it by name.

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OLD "CAP COMFORT" SAYS:

Every year about this time I like to tell myself that I'm almost caught up with all my chores and now can sit around indoors where icy winds can't chill my bones and fill me full of gripes and groans. Of course, there's still a thing or two that I'm just bound I've got to do before I can get my desire and sit and loaf beside the fire. But as I do each late fall chore there's one thing that I'm thankful for: upon the tractor seat I ride and take the weather in my stride because however bad the storm my COMFORT COVER keeps me warm by keeping all the engine heat up around the driver's seat—and what it cost it soon repays by saving many working days.

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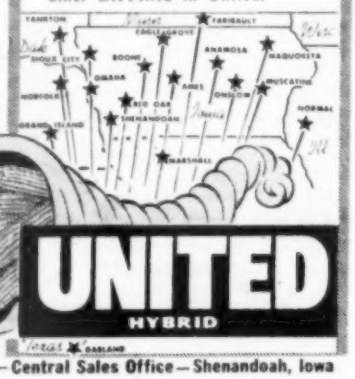

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Big Count in this litter being looked over by Elton Elston, of Dallas county, Iowa.

Cut Hogs To Fit Corn

Corn for hogs won't be so plentiful next year. National crop will be 2,403,913,000 bushels, according to the September 1, estimate. Last year's crop was 3,287,927,000. That indicates 27 per cent less than in 1946, and 15 per cent less than for the 10-year period, 1937-46. What will happen to hog numbers?

How hog crops follow corn production is indicated by the records back to 1929. First, take the corn and hog crops for the five years, 1929 to 1933.

The corn crop for these years averaged about two and one-half billion bushels, or about 100 million bushels more than this year. The hog crops — both spring and fall pigs—averaged over 78 million head.

Then came the drouth years—1934 to 1936—which will be taken together. The corn crops for these three years averaged about one and three-fourths billion bushels—a drop of 30 per cent.

The hog crops for the three years, 1934 to 1936, dropped to a figure a little below 60 million head. The exact percentage of reduction in pigs raised was 24 per cent.

Then came along a period of better corn crops, in the five years from 1937 to 1941, inclusive. The corn average per year was just about the same as it was in the period from 1929 to 1933, just a little more than two and one-half billion bushels per year.

The hog crop went back to almost the same figure as it had been in the 1929 to 1933 period. Farmers of the nation raised an average of more than 77 million pigs per year, including both spring and fall.

It seems that a corn crop of two and one-half billion bushels has meant 77 to 78 million pigs, according to past records. When the corn crop goes down, pig numbers fall, too, but not in quite the same percentage.

The relative prices of corn and hogs also affect hog numbers.

What is likely to happen this year? The pig crops, according to the June pig survey, were estimated at 85,000,000 head. That is about seven or eight million more pigs than farmers usually raise, with corn crops 100 million bushels bigger than the 1947 crop is estimated.

Announcing THE NEW ARRIVAL

Your dealer suggests you visit this latest addition to the family of Red Oak Products—the newly designed combination livestock waterer. He's different from his brothers in looks and size, but has the same useful characteristics. That includes the best materials, workmanship, and design that is thoroughly farm tested.

Eliminate the unwanted chore of hauling water or breaking ice to water your livestock. Install a Red Oak Automatic Electric Livestock Waterer. Then forget it.

Your cattle and hogs will have all the fresh, clean water they need, at correct temperature even during coldest winter days. Insulated to operate cheaply! Built to last! Get details today!

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Provides constant supply of clean, fresh water. Saves time and labor—prevents water waste—safeguards health. Quickly attached to barrel or tank. Delivered price $4.25! Plus sales tax in Iowa. See your dealer or order direct. Money back if not satisfied.

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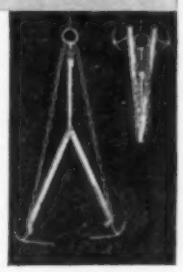
With this NEWTON DUAL PURPOSE GAMBREL and BAG HOLDER



Here's a handy new tool you'll want fast! Offers double (dual purpose) hooks on a single hanger — a new Gambrel with connected arms that can be pushed apart to any width required for the butchered carcass—and they lock themselves in that position! To release, just trip a lever. Bag-holding is just as easy. Bags are held at each side by handy clips. Entire unit folds up compactly when not in use. Sturdily built of steel, with capacity of ½ ton, this new tool belongs on every farm.

Order YOUR Newton DUAL PURPOSE GAMBREL and BAG HOLDER TODAY! Only $6.95 (Postpaid if cash with order)

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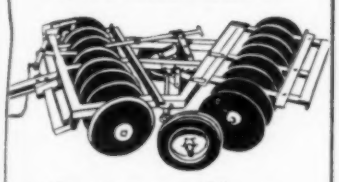
Earthmaster



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Strength & Efficiency

Built and tested for rugged western conditions, this Earthmaster is making friends everywhere. Its easy automatic lift assures positive depth control — ingenious design allows right turns to be made as easily as left — three way axle keeps corners from gouging. To set depth you make a simple screw adjustment, shifting two bolts alters pitch of discs up to 2° either way. Rugged all welded steel construction is used throughout. Equipment includes either 22" or 24" blades. The Earthmaster runs level, pulls lighter, gives you uniform turning of ground at all cutting depths.

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Dept. W-9 West Des Moines, Iowa

When writing to advertisers, will you please mention this paper.

Time out for lunch, says four-month Stanley, as Fred Rittgers, Polk county, Iowa, feeds him. Three-year Winifred watches.

Rye Pastures Save Feed

AFTER every drouth, rye pastures get lots of attention. Why? Because winter rye saves grain that can be used to feed next year's crop of livestock.

It saves feed in wintering brood sows. Tests at Illinois credit each acre of rye pasture with the saving of 494 pounds of alfalfa hay and 99 pounds of grain on a bunch of sows from breeding to farrowing time.

Savings in feed would be increased during the early spring months after the pigs were farrowed.

You can still seed rye. Winter rye can be sowed up to the middle of October, sometimes even later. Usual recommendation is four to six pecks per acre, tho some farmers sow it thicker for pasture.

Often it furnishes a lot of pasture during the fall months. Many men let brood sows run on it all thru the winter. However, it is a good idea to let rye go into the winter with about three inches of growth.

If you want to use the field for semi-permanent pasture, you can add timothy or other grass to the rye this fall. Next spring, in March, broadcast clover or alfalfa in the rye.

Winter rye makes an excellent nurse crop if you pasture it. Otherwise, it is a poor nurse crop because of its rank growth.

Maybe you will have other pasture next spring. If so, you can use the rye until the ordinary pastures get enough growth. Then you can plow the rye and plant beans or corn.

You can seed rye following corn or beans, without plowing. Disking to work the field level may be enough, if the corn has been cut for fodder or silage.

Often, following small grain, a spring-tooth harrow is used to prepare a seed-bed.

Other farmers prefer to plow. If you plow for rye, work the soil down and then firm it with a roller or cultipacker.

You can either drill or broadcast the rye. If broadcast, harrow or roll it in.

The important thing is that a few acres of rye will furnish pasture when other pastures are dormant. It will save grain, not only for hogs, but for other livestock.

Sarcoptic Mange? Hog Lice?

Do as many Successful Livestock Raisers do, to treat Hogs for and to aid in the prevention of these Afflictions—Use

MEDICRUDE

This medicated petroleum product has been marketed for more than 30 years with enthusiastic acceptance. Easy to apply and economical.

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Use one-third drum. If not satisfied, remainder will be picked up and entire purchase price refunded. See or phone your D-X Farm Salesman, or write us.

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1

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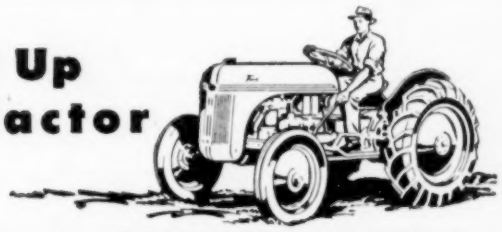

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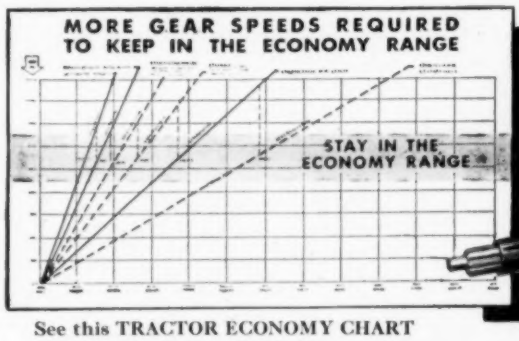
Your Ford tractor will give you more return per acre when equipped with the easily installed Sherman Step-Up Transmission.

You can use exactly the right gear speed for every farm job . . . to do each job faster with maximum fuel economy. You can cultivate 6 to 15 more acres a day . . . plow 2 or more extra acres a day . . . mow 11 more acres a day . . . get 60% more speed on power take-off.

2 Speeds on Power Take-off—The Step-Up Transmission provides two power take-off speeds to drive hammer mills and other equipment.

So gear up *your* Ford tractor for more economy and profit. Ask your Ford tractor dealer about the Sherman Step-Up Transmission that is saving time and money for 42,000 users.



See this TRACTOR ECONOMY CHART at your Ford Tractor Dealer's

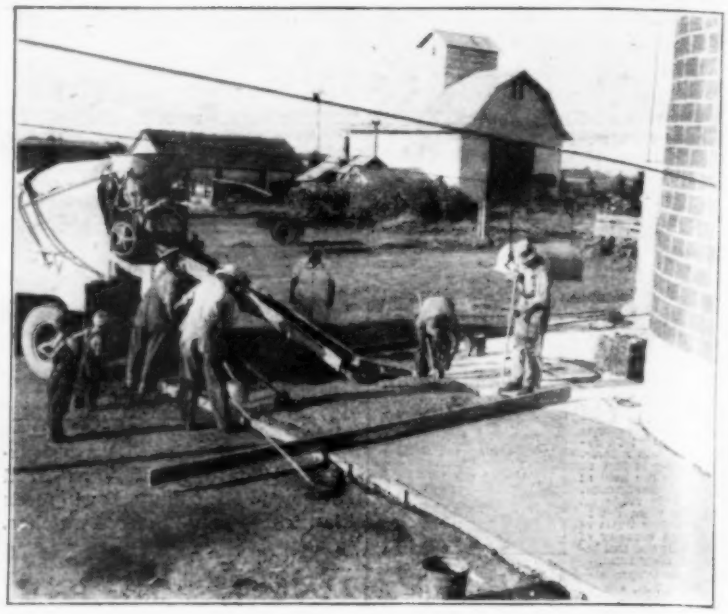
The "Tractor Economy Chart" illustrated here shows you how your Ford tractor with Sherman Step-Up Transmission can put money in your pocket at every turn of the wheels.

SHERMAN STEP-UP TRANSMISSION

SHERMAN PRODUCTS, INC., ROYAL OAK, MICHIGAN

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead.

Feed-Lot around Paul Dobel's dairy barn, in Worth county, Iowa, gets a 5-inch concrete surface. The lot is 105 by 276 feet. The fence posts are set in a 3-foot retaining wall surrounding yard.



Mixer Trucks haul cement for Dobel's barnyard from Forest City. Paul and helpers lay floor themselves. Concrete will cover entire surface shown in background, up to retaining wall.

No More Mud In This Barnyard

Worth County Dairyman Uses 450 Yards of Cement to Lay 5-Inch Floor

PAUL DOBEL, Worth county, Iowa, is a dairyman and a cattle feeder. And he raises an average of 300 hogs every year.

That means his barnyard gets lots of hard use. Spring weather often puts a yard like that belly-deep in mud.

But mud won't bother Dobel any more. He's giving the entire lot a concrete treatment.

Paul's barnyard is a good-sized one—105 feet by 276 feet. The cement floor is 5 inches thick. That means it is taking around 450 cubic yards of cement to get rid of the mud problem. But Dobel figures that a hard-surfaced, easy-to-clean lot is worth every cent of the cost of cementing.

While he's at it, Paul is doing a fancy job. Fence posts around the barnyard are set in a concrete retaining wall 3 feet high and 6 inches thick. This will help with the cleaning job, too.

Cement comes by mixer truck from Forest City, 8 miles away. But Dobel, his son, Donald, and Hired Men Leo Martinie and Keith Isaacson do the work of laying the floor. Pictures on this page show how it's done.

Cement Is Laid by Hired Men Leo Martinie (left) and Keith Isaacson, and Donald Dobel. Mrs. Paul Dobel watches. Martinie has worked for Dobel 16 years, Isaacson off and on for 10.

Retaining Wall 3 feet in height and 5 inches in thickness completely surrounds feed-lot. Fence posts are set in wall. Here concrete laying starts on outside of yard, near hog house.

Concrete Surface of Dobel barnyard is laid in narrow strips. Here Donald Dobel (left) smooths out fresh cement. Watching are drivers of mixer trucks, which haul cement from town.

Voice of the Farm

Says Weed Law Has False Teeth

To the Editor: If the new Iowa weed law has teeth in it, they must be false ones.

Within rods of my home are roadsides of cockleburs, sunflowers, hemp, etc., that haven't been cut this year. Nor for several past years, either. I've mowed the roadsides along my land three times this year.—Mr. Weed Hater, Harrison County, Iowa.

County commissioners are supposed to see that weeds are cut. Might ask them to explain before next election.—Editor.

Why Don't Railroads Cut Weeds?

To the Editor: Why don't you go after railroad companies in Iowa and have them cut their weeds? Enough weed seed to plant and seed Iowa down with them.—Paul J. Lichtenstein, Clinton County, Iowa.

If railroad weeds aren't cut, county weed commissioners are falling down on the job. They have the authority to cut the weeds and send a bill to the railroad.—Editor.

Should Farmers Pay Soldiers' Bonus?

To the Editor: In your issue of August 16, Mrs. N. M. thinks the boys deferred from service should pay the taxes to provide a soldiers' bonus. Has she thought about these questions:

1. Who were the deferred in Iowa? Mostly farmers.

2. Who provided food for our service men? Many farms would have been idle if some farm boys hadn't been deferred.

3. Did the deferred boys have a "snap" of it? They worked long hours with inexperienced help and with machinery which in many cases barely held together.

Some of our deferred boys aged just as much as some of our soldiers. Some lost arms and hands trying to hurry to get the crops harvested.—Mrs. Melbern Buresh, Howard County, Iowa.

War isn't much fun for anybody.—Editor.

He Thinks Hired Man Needs Insurance

To the Editor: I want to know if there is any way for farmers to carry insurance on their help? Industry carries insurance on all laborers, and I think farmers should do the same.—Harold Scherbaum, Benton County, Iowa.

Hired men aren't covered by Social Security. But any farmer can carry accident and health insurance on his help. Let us hear from any who do.—Editor.

Comes to Defense of Hoe and Plow

To the Editor: I have just read your item about killing weeds with chemicals by spraying.

All weeds should be killed without injuring plants. I never knew any safe method of destroying weeds except the plow and hoe.

Or am I wrong in thinking that chemicals are injurious to fertile soil?—James Mosier, Chelan County, Washington.

For more about weed-killers, see page 8.—Editor.

Says Lazy Farmer Is Not So Crazy

To the Editor: I'd like to know, I would, by jing, who is this Lazy Farmer king? The stuff he writes is not so daff if it makes the hard-faced farmers laugh. When I read Carlton's letter I just said, "Another Lazy Farmer to be fed." But I like rhymes such as those folks write, they fill my old heart with delight. Lazy Farmer says he's going to the fair, well, I should like to meet him there; I'd like to shake him by the hand and slap his back to beat the band. But while he looks up Sally Rand, there's another place I'd like to land; one thing is there that I hold dear, tho I always pass it up each year, and it really fills my heart with pain that I dare not ride on that little train; for the fair crowd would go in a huff if they saw me make that engine puff.—Mrs. Martin A. Johnson, Story County, Iowa.

"Lazy" thinks Sally had all the best of it during the hot State Fair weather.—Editor.

"TIMBER!"

Hi-lex

Helps Former "Hump" Flier to Get Bigger Cream-Milk Checks!

Kenneth Hanke, Mitchellville, Iowa, has a 240-acre farm with his father—milks 17 cows twice-daily. He states: "We use Hi-lex to wash cows' udders, dairy equipment, bottles, cans, milkers and tubes. It helps keep our barn and dairy spotless—keeps down bacteria. I never get less than $395 every two weeks in checks from milk and cream."

Hanke was a China-Burma-India pilot in the war, is married, with two children. His wife and mother, shown below with daughter Virginia, help too.

Hi-lex ••• St. Paul 1, Minnesota

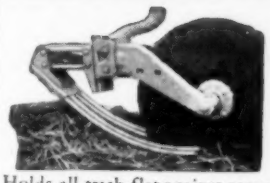
4 oz. Hi-lex (app. ½ cup)

Plus

4 gal. Water makes an effective Dairy Disinfectant

for ½c per gallon or less!

STUTE knee-action TRASH GUARD



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Holds all trash flat against ground for easy cutting by rolling coulter! No delay to clear plow of trash! Corn borers buried 100% by actual test! Turn under *all* old cornstalks, windrowed straw, wheat stubble, heavy sweet clover. For faster, easier, cleaner plowing—mail coupon today!

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THE CHAMP'S SUCCESSOR. 1st prize Sr. spring boar pig, 1947 Iowa State Fair. An unretouched photo.

Robert Lanigan's

Greatest CHESTER WHITE BOAR AND GILT SALE

At Dairy Cattle Congress Grounds

WATERLOO, IOWA

WED., OCT. 8th, NIGHT SALE

60 Boars — 60 Open Gilts

Mostly sired by **THE CHAMP**, 1945 Indiana grand champion. Several by **WHITE PERFECTION**, my great **OHIO** boar that sired 3rd prize spring boar Iowa State Fair 1947. The tops from 25 litters. All proven Dams. These same old proven sows have produced the top herd boars of the breed not only in the Cornbelt but from COAST to COAST. My 1946 sale a World's record for the breed for all time. If you like **constructively-bred**, blocky, smooth, sound, go-getting future herd boar prospects I've got 'em this year. Hogs will be $40 a hundred in '48. Are you all set. Be on hand when we sell these 60 top open gilts. They are real foundation stock. **FREE** boar given away. Send for **FREE** illustrated catalog at once to

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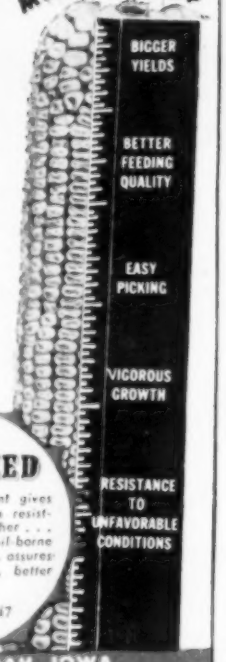
For proof that there's extra gold for you in Maygold, talk to a neighbor who already knows from experience. Or, ask our local representative to show you some Maygold fields in your neighborhood. Reserve your seed now so that you'll be making more money with Maygold next year.

MAYGOLD MEASURES UP



FREE BOOK

For interesting and important facts about Maygold Hybrids write for our new booklet. It's free. Write for your copy today.

*Remember only Maygold Hybrids are Dermatized**

DERMATIZED

This improved treatment gives Maygold Hybrids extra resistance to cold, wet weather . . . protects seeds against soil-borne seed rotting molds . . . assures you high germination, better stands, bigger yields.

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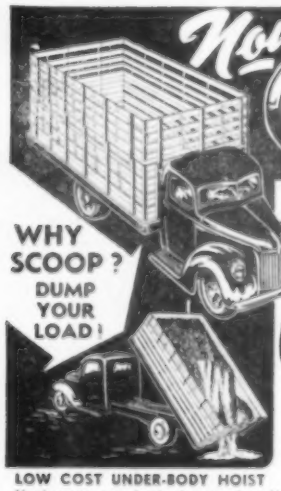
EARL MAY SEED CO. • SHENANDOAH, IOWA

Now

OMAHA STANDARD BODIES

FOR OVER 20 YEARS THE TRUCKER'S STANDARD



WHY SCOOP? DUMP YOUR LOAD!

SOLD DIRECT! FACTORY-TO-YOU AT BIG SAVINGS!

Only $332.41 F.O.B. FACTORY COUNCIL BLUFFS, IA. COMPLETE MOUNTED TAX PAID READY-TO-GO

13½ foot FOLD-DOWN combination livestock and grain body. "Fresh off the assembly line" now sold at LOW Factory-To-You price. Built to take more roll and load punishment. Super-Strong, Flexible Hard Wood Body. Outlasts any truck. Hickory Stakes. Oak Slats. Edge Grain Floor. Weather-Proof Enamel Finish. Guaranteed workmanship. Greatest Body Value in America.

LOW COST UNDER-BODY HOIST

Haul more pay loads faster. Install Low Cost Omaha Standard 7 Inch Hydraulic Under-Body Hoist. Dumps all bodies. Only $332.41. Completely mounted, ready to dump, tax paid, F.O.B. Factory or Factory Branch.

FREE BODY AND HOIST FOLDER

Write today for free Omaha Standard Body and Underbody Hoist Folder.

LOW COST BODY AND HOIST COMBINATION

Omaha Standard Body equipped with Underbody Hoist. Tax Paid. Mounted, at Factory..... $658.19

NEW BODIES INSTALLED WHILE YOU WAIT!

Factory-To-You policy saves big money. Drive in to factory or nearest branch. Installed while you wait.

DON'T BE CONFUSED . . . THERE'S ONLY ONE OMAHA STANDARD

OMAHA STANDARD

FACTORY: 2411 West Broadway, COUNCIL BLUFFS, IOWA

FACTORY BRANCHES At Stockyards: DENVER — OMAHA — KANSAS CITY — WICHITA — EAST ST. LOUIS

2411 West Broadway COUNCIL BLUFFS, IOWA

KILL WEEDS in the Fall

FREE BULLETIN

USES for No. 99 Weed Burner

2000° Flame 30"x3" Kills Stalks, seeds and Roots, prepares ground for Spring Plowing. No. 99 Sr. Outfit includes 4 gal. all welded tank, 7' hose and seamless steel removable coil burner. Burns 6% gasoline and 94% air.) Over a half million in use. Endorsed by Agri. Author. Guaranteed for 1 year. Mfg. ships at once. Price complete

10 DAY TRIAL

$22

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The BEAR CAT Combination GRAIN and ROUGHAGE MILL Also ENSILAGE CUTTER

Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or shapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write

Western Land Roller Co., Box 175 Hastings, Nebr.

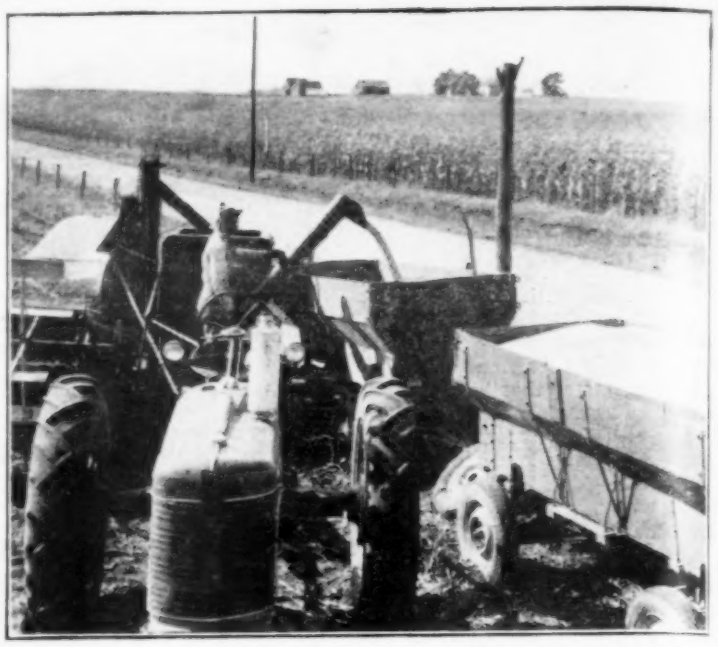
160 acre dairy farm. Near city of 12,000. A-1 soil. Adequate buildings. $11,000.00. Easy terms. Other bargains. LOFFLER LAND CO., Chippewa Falls, Wisconsin.

BALE TIES FOR SALE—ALSO HAY PRESS BLOCKS

We need straw. Write for prices.

OSBORN HAY & MILLING CO., Oshkosh, Wis.

JOHN DEERE, wire Hay Baler for sale at bargain price. Write or phone. Nook-Dale Guernsey Farm, Clive, Iowa.



How Many bushels of soybeans to the acre this fall? Vaughn Nation, of Greene county, Iowa, is shown harvesting his soybean crop, October 1, 1946. The yield was 28 bushels to the acre.

What Will You Get For Soybeans?

Support Price Is $2.04, But Market Will Probably Pay More — How Much More?

WHAT is going to happen to the price of soybeans?

November futures for No. 2 soybeans bounced up above $3.10 recently. Farmers want to know if this will be the actual price in late October or early November. They want to know what soybeans will bring six months from now.

Will the price sag to the support level of $2.04?

It could happen, but few in the industry—big growers, processors, grain men—think it will.

The program of the American Soybean Association convention, recently, threw little light on the question. Fred J. Rossiter, of the USDA's Office of Foreign Agricultural Relations, did point out that the demand of other countries for American soybeans and soybean oil is almost unlimited.

Trouble is other countries are fast running out of dollars to buy beans, even if we were to allow any quantity to be shipped abroad. Soybean products are under strict governmental allocation now.

But there was no end of informal talk on the subject. Nobody had definite answers. There's a lot of uncertainty about what is going to happen to farm markets.

Men who are watching the situation want some questions answered before they will predict the price trend.

Some of these questions are:

Will the bean crop get ripe? Soybeans are late in maturing this year. Early frost would do a lot of damage. A short crop would, of course, tend to bolster price.

The August drouth may have shrunk the 188 million bushels nationally estimated by the USDA August 1. And this was already below the 196 million bushels harvested in 1946. But the drouth also tended to hasten maturity.

Soybean men want to know if farmers will store more beans than they did last year. Will they dump well over half the crop on the market in a six-week period, as they did last year? This sort of dumping does not make for a good market.

Soybean men also want to know what will happen to the price of lard and other fats and oils. The price of soybeans follows the price of the fats and oils markets as well as the price farmers are willing to pay for soybean oil.

In recent months, soy oil, along with lard and other oils, has been taking quite a beating. Crude soybean oil sold at 35 cents a pound in March, but it dropped to 14 cents in mid-August and then began to rise again.

Will lard stay cheap? People at the convention pointed out that lard at 17 cents a pound and corn at $3.00 per hundred doesn't make much sense.

Will the market for soybean oil hold up? With the short corn crop, will the farmers be feeding as many head of livestock this year as they fed last year? If not, there will be less meal fed. The packers say hogs are already going to market fed to shorter weights.

On the other hand, there may be a tendency to feed more meal to each animal, to stretch the corn supply. Dairy cattle will receive more roughage. This will call for more protein concentrates to balance. And present egg prices may encourage more poultry feeding.

The two Iowa directors of the American Soybean Association were re-elected. They are: George M. Strayer, secretary-treasurer, of Black Hawk county, and Howard L. Roach, of Bremer county. Ersel Walley, Fort Wayne, Ind., was elected president, succeeding Walter W. McLaughlin, Decatur, Ill.

POSITIVE TRACTION ON ALL GROUND CONDITIONS

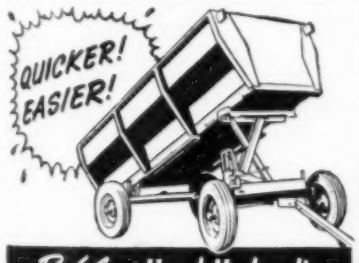
TRACTO-GRIP
TRACTOR CHAINS

Tracto-Grip Tractor Chains give continuous traction, for equally spaced cross chains *stand up* on tire lugs.

One man can easily put on a pair. No stops to adjust them . . . the harder the pull the better the fit. Loosen for easy removal when tractor is stopped. Not recommended for paved roads.

TM Tow and Log Chains are built for maximum service under the toughest conditions. S. G. TAYLOR CHAIN CO., DEPT. E-9 Box 509, Hammond, Indiana.

TAYLOR MADE Chain



Behlen Hand-Hydraulic
WAGON DUMPER

Here's a handy dumper! Takes only 90 seconds to dump heaviest loads. A boy can do it, like jacking up your car.

Dump anything — *anywhere!* Wagon box raises plenty high (see photo). Wheels stay on ground. No need to unhitch horses or tractor.

Behlen Hydraulic Wagon Dumper fits most all wagons. Reasonably priced. Thousands in use. Full particulars in FREE illustrated folder. Fill out coupon now!

Behlen Mfg. Co., Columbus, Nebraska

DON'T WAIT! MAIL TODAY!

Behlen
MANUFACTURING CO.
COLUMBUS, NEBR., DEPT. 2

Gentlemen:
Please send me FREE illustrated folder on Behlen Wagon Dumper, and name of conveniently located Behlen dealer.

Name _____
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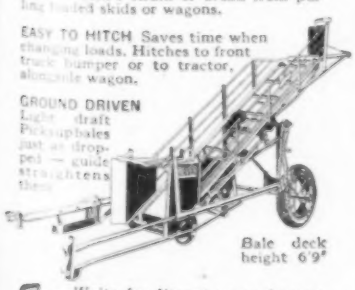
MEYER Bale LOADER

PICKS UP 75 BALES IN 15 MINUTES

Loads your bales — saves your back! You just stack 'em! Saves your baler, too. Frame doesn't strain or break from pulling loaded skids or wagons.

EASY TO HITCH Saves time when changing loads. Hitches to front truck bumper or to tractor, alongside wagon.

GROUND DRIVEN Light draft Pickup bales just as dropped — guide straightens them.



Bale deck height 6'9"

Free Write for literature and name of nearest Meyer dealer.

THE MEYER MFG. CO. Box 665, Morton, Ill.
Manufacturers of famous MEYER ELEVATORS

Farm News Briefs

DAIRY CATTLE Congress visitors will see more than 1,500 of the nation's top animals at Waterloo, Iowa, September 29-October 5.

▲ ▲ ▲

CASH RECEIPTS by farmers in the first eight months of 1947 totaled 17.4 billion dollars, about 21 per cent more than last year.

▲ ▲ ▲

DAIRY HERDS are on the increase in 11 northeastern states. Last year, the northeast added 91,000 head, largest increase since 1940.

▲ ▲ ▲

COTTONSEED production in 1947 should be close to five million tons. That will be about one and one-half million tons more than last year, but a little under the 10-year average.

▲ ▲ ▲

COTTON CROP itself is forecast at 11,849,000 bales, or three and one-fourth million bales larger than the 1946 crop, but half a million less than the 1936-45 average.

▲ ▲ ▲

IOWA RANKS fifth in the nation in number of records turned in by dairy herd improvement associations. The state has 83 associations, with 28,105 cows on test.

▲ ▲ ▲

FARMERS HOME Administration (FSA) will be able to make about 130,000 farm operating and ownership loans this fiscal year. The loans go to family-type farmers who can't get other credit.

▲ ▲ ▲

GREAT BRITAIN'S cut in buying of American goods will be a hard blow to the dried-egg industry. Last year, 88 per cent of our dried-egg exports went to Britain. Loss of the English market could nearly wipe out the industry.

▲ ▲ ▲

PARITY PRICES for all farm products climbed again in August. To give the same buying power as in 1909-14, corn must now bring $1.51 a bushel and hogs $17.10 per hundred. But costs have been rising faster than prices, so the parity ratio dropped from 119 to 117 (1909-14 is 100). The high was 132 in October, 1946.

TOP PLOWMEN TO MEET

Champion plowmen from eight states will compete in the fifth annual WHO National Plowing Match, in Hamilton county, Iowa, September 27.

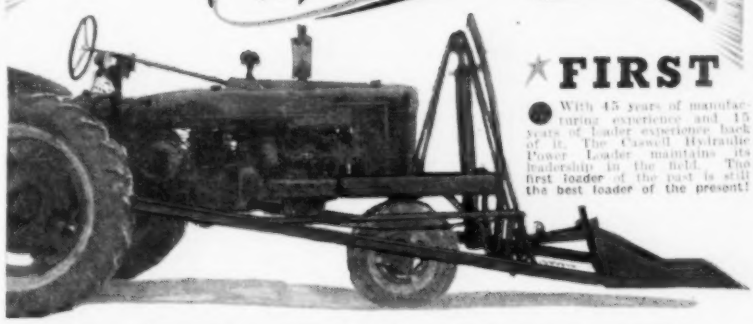
The match will be held on the Ralph Olsen farm, one and one-half miles south of Ellsworth. Ellsworth is three miles east of Highway 69, about 20 miles north of Ames.

Again this year, the Soil Conservation Service will perform a complete face-lifting operation on the Olsen and Thompson Sisters' farms. Some 22 conservation operations will be carried out in one day.

Plowing matches get under way at 10:30 a. m.

The ORIGINAL IS STILL the BEST!

CASWELL Hydraulic LOADER



★ FIRST

With 45 years of manufacturing experience and 15 years of loader experience back of it, The Caswell Hydraulic Power Loader maintains its leadership in the field. The first loader of the past is still the best loader of the present!

THE LOADER THAT LEADS ALL in Exclusive Features!

NO. 1 PAT'D — CASWELL RIGID CROSSED-CHAIN STABILIZATION
PATENTED. Double lifting chains cross over top of single cylinder in an X, for complete rigidity in operation.

NO. 2 PAT'D — CASWELL FORK TILT CONTROL
PATENTED. Handy lever in operator's reach adjusts or "sets" tilt of fork to any desired position.

NO. 3 PAT'D — THE CASWELL CURVED GUIDE
PATENTED. Famous upright "bow" or curved lift guide holds mechanism firmly in line. Absolutely no side sway.

BEING FIRST, we were able to originate and protect the many basic, common sense construction features which make The Caswell Hydraulic Power Loader so simple and safe to operate—so easy to mount and unmount. New ideas and improvements have been added each year to keep it in front—the loader that leads in efficiency, convenience and economy.

COMPLETELY MODERN

The Caswell single hydraulic master cylinder with crossed lifting chains gives tremendous, balanced lifting power. No twisting strain on frame. Low head room. No excess weight.

LOW PRICE . . . HIGH QUALITY

See your Caswell dealer now—or mail us the coupon below. We will gladly "show you the difference" in The Caswell, including its many all-important exclusive (patented) features. And its LOW PRICE will surprise and please you because you get more for your dollar in The Caswell than other loaders. Also full line of attachments, snow scoop, hay buck, pusher blade, etc. Mail coupon now.

FREE MONEY SAVER COUPON!
MAIL IT TODAY

CASWELL MFG. CO., Dept. 110, Cherokee, Iowa

Please tell me all about The Caswell Hydraulic Loader and its exclusive features—also the LOW PRICE, the best quality buy on the market.

Name .....
Town ..... State .....
MY DEALER'S NAME IS .....

CASWELL MANUFACTURING CO. CHEROKEE, IOWA.

Now I can take MY Vacation!

"My work doesn't permit a mid-summer vacation, but I'm in luck. I know that *early fall is the best of all* for a pleasant, relaxing trip. While my family is seeing the sights, I'm going to check farming methods in other states. We'll all have fun, because we plan to go by Greyhound."

EXPENSE-PAID TOURS OF "AMAZING AMERICA"

Greyhound does all the planning—you have all the fun! It's "good time" assurance with your ticket, hotel and sightseeing all planned and paid for in advance.

FREE FOLDER

Paste this coupon on a penny postal card and mail to Greyhound Travel and Tour Dept., 505 Grand Avenue, Des Moines, Iowa, for FREE folder.

I may go to _____ (indicate destination)
NAME _____
ADDRESS _____
CITY _____ STATE _____ WF

Ask your local agent for low-cost, round-trip fares and frequent schedules to anywhere in America.

OVERLAND GREYHOUND LINES
OPERATED BY INTERSTATE TRANSIT LINES

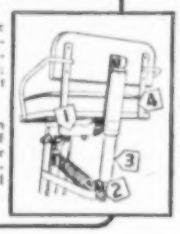
NO MORE TRACTOR JOLTING

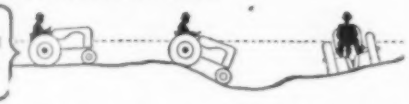
Joy Rider

The Complete Tractor Seat With Amazing NON-SLANT RIDE

The COMPLETE Tractor Seat

1. Swivel stabilizer gives Non-Slant Ride; stops side whacking, keeps rider level.
2. Adjustable clevis tightens or loosens spring to fit rider's weight.
3. Hydraulic shock absorber snubs rebound, tossing; stops "seat spanking."
4. Soft, cushion seat made of rubberized filler 3 in. thick. Optional with steel seat.





Now, long hours on a tractor need not be gruelling, dreaded hours. Joy-Rider absorbs the vibration and punishing jolts and jarring; stops pitching, stops seat-spanking; makes the ride smooth and easy. Exclusive new swivel action stabilizer keeps you level and balanced always, saving you from slant rides and back-twisting side whacks and unnecessary tension and strain. Thousands of farmers praise the Joy-Rider, "Most Complete Tractor Seat in Farm History." Soft leatherette cushion or steel seat, as desired. Fits most tractors; easy to install. Nothing like the Joy-Rider. Send postcard for full particulars, prices; where to buy, etc. Address—

FLEISCHER & SCHMID CORP.
DEPT. 15 COLUMBUS, NEBRASKA

Vinton GROWS BIGGER YIELDS

Yes—and Vinton offers you a choice of 12 different early-maturing varieties that are made-to-order for your farm. *They mean extra bushels at corn picking time.* Send today for new *free* Vinton Catalog—get the facts before you buy any hybrid.

Vinton Hybrids VINTON IOWA

PRE-ASSEMBLED CORN CRIB

— FOR IMMEDIATE DELIVERY —

6'-0" x 24'-0"
Expandable in 4'-0" Sections

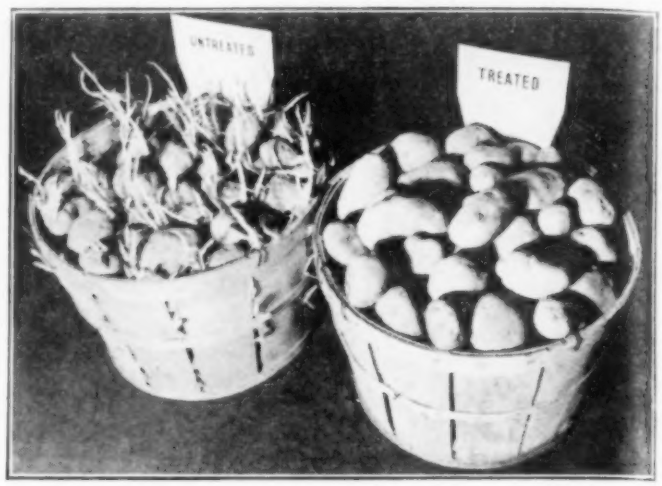
—o—
Designed for SOFT CORN
—o—

Ask your local lumber dealer all about the new "Super" Corn Crib. This permanent, pre-assembled, expandable crib will cost you less than 10c per bushel, figured as a ten-year investment.

Super-Structures, Inc.
Albert Lea, Minnesota

Save Your Waste Fat! It's Still Needed!

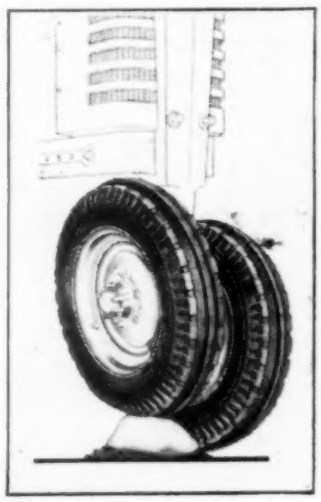
What's New For Farm and Home?



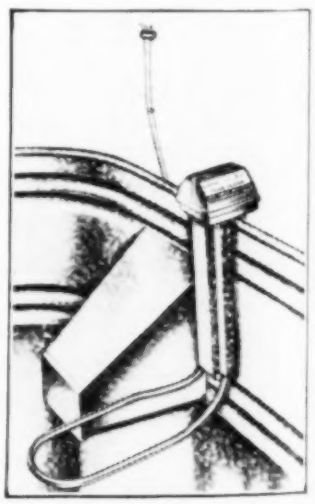
New Product prevents sprouting and wilting in potatoes kept at room temperature. You just dust the potatoes with Barsprout, which comes in a sifter container. Treated potatoes are said to cook and taste better than untreated potatoes. Tests show no harmful effects. The product has proved equally effective on other root crops, such as beets, carrots, turnips and rutabagas. Manufactured by the American Cyanamid Company.

Snacks can be prepared in a jiffy with this combination toaster and waffle grill. Can toast double-decker sandwiches. Fries on both sandwich plates. Waffle grids are easily substituted. Made by National Stamping and Electric Works.

Milk Houses, shops and other buildings can be heated by this electric space heater. Thermostat devised for 40-50 degree temperatures. Made by Crown Heater Division of the Marathon Foundry and Machine Company.



Knee-Action front wheels for row crop tractors is claimed to make both guiding and riding easier. Load balanced on front wheels when coming up out of furrow and on rough ground. Roll-O-Matic is a new John Deere feature.



Just Plug In this tank heater on electric line. Operates on same automatic principle as a home electric water heater? Has built-in thermostat. Operating cost was $4 per month in one test. Made by H. D. Hudson Mfg. Company.

ALL YEAR 'ROUND

Potatoes stay firm and farm-fresh in both home and commercial storage when treated with BARSPROUT* Sprout Inhibitor. Dusted over potatoes, sprouting is retarded for as long as a year. Weight and flavor are retained.

BARSPROUT is available in 12 oz. sifter-top canister at $1.00 for easy dusting of 8¼ bushels (500 lbs.) of potatoes when they go into storage. Here is protection never before offered. See your seed, drug, hardware or farm supply store, or write

AMERICAN CYANAMID COMPANY
Agricultural Chemicals Division
32-Z Rockefeller Plaza, New York 20, N. Y.

BARSPROUT packed in 12 oz.—5 lb.—20 lb.—100 lb. containers.
*Trade-mark

DEALERS—You will want to handle this new profit-maker. Send for the name of your nearest BARSPROUT Distributor.

"UNBLOCK" your DIGESTIVE TRACT

And Stop Dosing Your Stomach With Soda and Alkalizers

Don't expect to get relief from headache, sour stomach, gas and bad breath by taking soda and other alkalizers if the true cause of your trouble is constipation.

In this case, your real trouble is not in the stomach at all. But in the intestinal tract where 80% of your food is digested. And when the lower part gets blocked food may fail to digest properly.

What you want for real relief is something to "unblock" your lower intestinal tract. Something to clean it out effectively—help Nature get back on her feet.

Get Carter's Pills right now. Take as directed. They gently and effectively "unblock" your digestive tract. This permits all 5 of Nature's own digestive juices to mix better with your food. You get genuine relief from indigestion so you can feel *really* good again.

Buy Carter's Pills today. "Unblock" your intestinal tract for real relief from indigestion.

DON'T MISS IT!
The New PIPER-ODELL Feed & Grain UNLOADER
at the
WATERLOO DAIRY CONGRESS

Be sure to see the "hit of the fair"—the greatest time and labor-saving tool for the farm in years! See how the Piper-Odell Unloader unloads 20 bushel of grain or feed in one minute, in any direction—see how it perfectly mixes fortified feeds—see how easily and quickly it can be installed in your present 38" wagon box—without change. Write for new literature! ***Visit Our Display***

PIPER-ODELL, Dept. B-97, Princeton, Ill.

NEW EASY WAY TO FEED CALVES

CALF-TERIA NIPPLE PAIL gets milk to correct stomach; prevents milk-gulping; helps prevent scours, pot-bellies. Saves time, labor. $2.75, ppd.; check or M.O. *Money-back guarantee.* Ltd. Supply. Rush order now. Dept. 10

only $2.75

THE CALF-TERIA CO., 521 W. Berry, Ft. Wayne 1, Ind.

START YOUR OWN BUSINESS
with a
GEHL Direct-Drive PORTABLE FEED MILL

Hundreds of farmers will be steady customers. Good profit, steady work, security for you. Two models—Gehl mill powered by special motor (illustrated) or by truck motor. Terms to responsible parties. WRITE for details.

Gehl Bros. Mfg. Co., Dept. PJ-162, West Bend, Wis.

WANTED—Certified Clinton Seed Oats—Lowest price for resale in my store. GEORGE A. REED, Tilley, Nebraska, 20 miles west of Omaha. Highway 275. Phone 3311.

Here's Way To See Iowa

Last week, Assistant Editor Merrill Gregory climbed into his airplane, flew off for a quick, two-day look at Iowa's corn crop. On page 10, he describes how the corn looked. In the story below, he tells some of the problems of being a combination pilot-reporter.

SCOOTING around over Iowa in an airplane is a good way to see how the corn looks. But it has its problems.

For one thing, you have to stay down low. From 500 feet, you can see the weeds and the short stalks.

But in hot weather, 500 feet isn't the most comfortable altitude. Corn and bean fields suck up hot air. Stubble fields, roads and other bare spots reflect the heat. That means a lot of bouncing.

A low-altitude trip over farming country has one big traffic problem, too. You have to keep your eyes peeled for turkeys. Those nervous birds call for a detour.

When you're bouncing along at 100 miles an hour, all corn fields can begin to look alike. So you have to stop once in a while to check up on yourself.

In Iowa, that's no problem. This time of year, almost every farm has a field made to order for even a three-passenger plane.

Of course, if you're in a hurry, or lazy, or both, you have to be more choosy about a landing spot. You need one close by a farmstead. That way, you don't have so far to walk to visit with somebody.

Don't let anybody tell you that the air age isn't here. Fly around over Iowa and you'll see a lot of landing strips on farms.

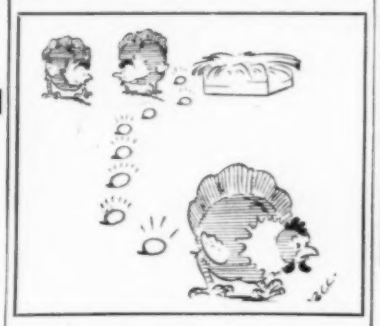
Here's another thing: An Iowa farmer doesn't get excited any more when an airplane sits down in his pasture. If you try it, don't expect a big welcoming committee. Folks will go on about their business until you climb over the fence and hunt them up.

After all, you could be Cousin Bill or Joe Smith from the next township. Almost everyone knows somebody who flies. And Iowa has more flying farmers than any other state.

A stubble field landing requires a little ceremony. First, you pick out a field that has no big trees or electric lines along the ends. Then you skim across the ground, to make sure you won't have any big holes, or hogs, in the way.

You want a fairly flat field, too. It takes more room to get off than to land. And a hump in the middle can look like a mountain when you get ready to leave.

That's why Iowa is a pilot's paradise.



"She's a wonderful layer, but she just can't sit still very long."

WALSH HYDRAULIC DUMP
MAKES YOUR WORK EASIER FASTER

EASILY TRANSFERRED—QUICKLY HOOKED UP

SMOOTH—POWERFUL—EASY PUMPING

The Walsh Hydraulic DUMP fits any wagon. Dumps a 3-ton load in less than 1½ minutes. Quicker and easier than jacking up a car. Raises average box 5½ ft. No need to unhook team or tractor. Portable—transfers from wagon to wagon. Patented breather cannot airlock.

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TAT HOG-EEZ Is Manufactured by O. E. LINCK CO., INC.
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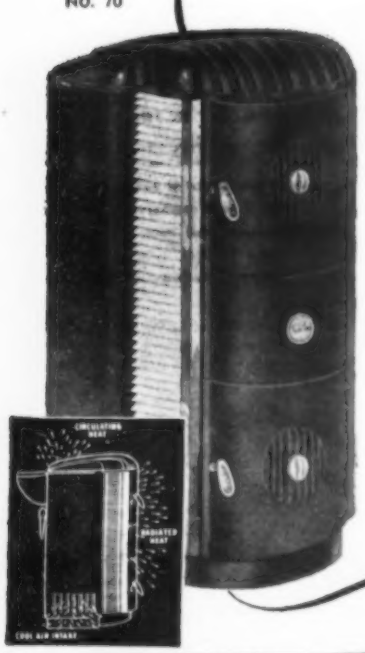

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Made in Germany of finest material.
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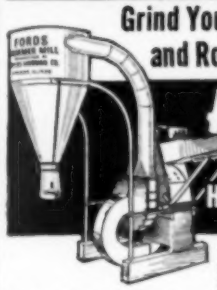

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The Fords mill is made to grind faster and last longer. Any farm tractor powers it. Patented adjustable hopper plate makes hay and roughage grinding easier. Never-break, reversible hammers protect the mill and protect you. Tapered roller bearings. No cutters to sharpen — no chains or augers to get out of order. Quick-change screens. Mill is all steel, welded, dust tight. Built heavier and stronger — costs a little more but lasts years longer. Costs less in the long run — fewer repairs. A leader for 18 years —thousands in use. PROMPT DELIVERY. Write for folder, prices and name of nearest dealer.

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ATTENTION OLIVER TRACTOR OWNERS
Special for September. Limited quantity of Key Twin Cylinder Hydraulic Loaders for Oliver Tractors, complete with pump and tank. Write
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HIRED HAND HARLEY—You Don't Know Your Own Strength, Harley

Start Fall Pigs On Legume Pasture

Good Pasture Helps Fall Pigs Get Away To A Fast Start Before Winter Weather Begins

"YOU want to get as much size as possible on fall pigs before winter," says a Sac county, Iowa, hog man. This man usually grows more fall than spring pigs. He says they make more money for him.

What's the best way to get a lot of growth on pigs before winter?

Good pasture helps a lot in getting fall pigs away to a fast start. Sows on pasture have a better milk flow. That helps pigs. It saves on grain and supplement, too.

Experiment stations say pigs on good grass or legume pasture store up essential vitamins and minerals that help carry them thru the winter in good shape.

So it's important to have fall pigs on pasture. Many pastures are pretty well burned out. If that has happened to you, have plenty of high-quality alfalfa meal in the ration.

Another thing that helps pigs to get away fast is to start them eating as soon as possible. A creep is handy there. It's easy to build a creep, or pen, where pigs can eat whenever they feel like it, without being bothered by the sows.

You may have an extra farrowing house that you can fix up for a creep.

After pigs start eating, the same ration that is fed the sows often is used in the creep. In the spring, you hear a lot about rolled or hulled oats for starting pigs.

Well, rolled or hulled oats are just as good for starting baby fall pigs. It seems pigs learn to eat rolled oats as quick as anything.

Start feeding oats in a pan or trough, in the pen or in the creep, by the time the pigs are 10 days to two weeks old.

A Cedar county, Iowa, man says he always "sugars" oats with a little of whatever supplement he is feeding. As pigs start eating, add a little cracked corn. Then change over to the regular ration. Supplements, minerals and salt can be mixed with the feed in a self-feeder, fed free-choice in separate compartments, or hand-fed.

Don't overlook water. Plenty of fresh, clean water is important for pigs of all sizes. It should be available all the time.

And water should be handy—close to the feeder or right in the creep. You probably don't want to get fat yourself, but how would you like to get up from the table and walk 50 feet every time you wanted a drink during a meal?

Most fellows don't raise as many fall pigs as spring pigs, and often have skim-milk for fall pigs. If you have skim-milk, don't overlook its value in pushing those fall pigs.

Skim-milk, or buttermilk, even if diluted with some water, gives the little pigs a big boost. It saves protein and grains, too.

This year, fall pigs may be ready to market when meat is scarce and high. Biggest pigs at weaning are closest to market. You aren't apt to notice any weaning setback if pigs are used to a good ration.

That means, in addition to pasture, plenty of supplement, vitamins, minerals, salt and water.

There's more to it than pasture and good feed, of course. Sanitation and adequate shelter are important. Hogs don't need a fancy shelter—just so it is dry and not drafty.

Leave pigs on pasture as long as you can. They'll get a lot of good from the pasture until it's snowed under or eaten clear off.

Rheumatism Yields To Drugless Method Of Treatment

Excelsior Springs, Mo., Sept. 19—So successful has a comparatively new, drugless method proven for treating rheumatism and arthritis that an amazing new book will be sent free to any reader of this paper who will write for it.

This book entitled, "Rheumatism," fully explains why drugs and medicines give only temporary relief and fail to remove the causes of the trouble.

The Ball Clinic, Excelsior Springs, Mo., has perfected a system of drugless treatment for rheumatism and arthritis combined with the world famous mineral waters and baths. This new system of treatment is fully described in the book and tells how it may be possible for you to find freedom from rheumatism.

You incur no obligation in sending for this instructive book. It may be the means of saving you years of untold misery. For writing promptly, the company will also include a free copy of the book entitled, "Good Health, Life's Greatest Blessing." Address your letter to The Ball Clinic, Dept. 40, Excelsior Springs, Mo., but be sure to write today.

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Strongest, simplest CUP elevator—no short turns—8 styles. Choice of chain. Get a genuine MEYER. Write us your elevator problems. State whether interested in CUP or PORTABLE. Send for FREE catalog and crib plans.

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CLEARS LAND FAST! Powerful 7-HP motor with friction clutch for safe operation. Cuts down timber, brush and hedge; turn blade vertically and saw logs to length. Also furnished with post hole diggers. Has clutch pulley for belt work. No Other Like It!
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and Blasting Supplies of all kinds. New, low-cost Non-Freezing, Non-Headache, Safety Dynamite. Augers and Exploding Wedges. Ditching Dynamite. Send for prices.
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CORN PICKERS—NEW AND USED. 27 new Husk Bonders on hand. Four new and used 2-M's, 2-P's, 1-O, 1 single and double row. GEORGE A. RILLIE, Valley, Nebraska, 20 miles west of Omaha. Highway 275. Phone 3311.

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Write for big, free 1947 catalogue; tremendous savings. Satisfaction guaranteed.
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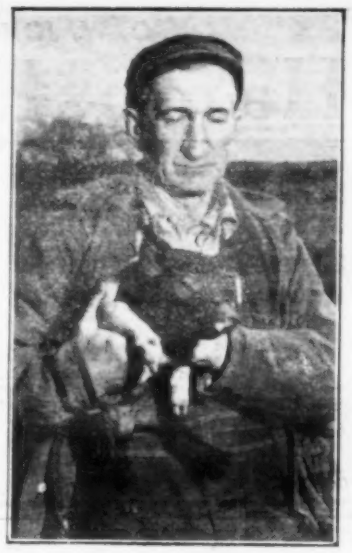

Pigs That Pay for $2.40 corn will have to be healthy and lively, like the one held above by George Wade, Warren county, Iowa. Early care does it.

Watch For Pig Diseases

DISEASE losses may spell the difference between profit and loss for hog farmers this year. Putting $2.40 corn into $30 pigs means a thin profit margin—too thin to write off pig disease losses.

Disease needn't take heavy tolls. K. W. Stouder, Iowa State College extension veterinarian, says careful management and good sanitation can nip a lot of trouble in the bud and cut down urgent calls to the local veterinarian.

Since heaviest pig losses occur the first six weeks, strong pigs from the start is a "must."

"Be ready for litters when they come," says Stouder. "Clean and disinfect stalls and spray them with DDT to keep down flies. Wash all dirt off sows. Get them used to their quarters before farrowing time. Have guard rails in place and short straw for bedding. Keep stalls dry — exposure to direct sunlight helps here because sunshine kills germs."

Sows are often overfed too soon after farrowing. Stouder says good, clean water is enough the first 24 to 36 hours. Use thin slop of water and bran, or a few dry oats, the first two days, and then a slow return to full, balanced rations.

A balanced ration, exercise and clean, dry quarters go a long way in preventing scours in pigs. If such a condition does develop, change the sow's diet to dry oats.

Baby pig disease, tho more common in spring than fall, may be a problem. "It occurs any time up to two weeks of age. The hair is rough, and pigs unthrifty. Some die," Stouder says.

"An injection of glucose or dextrose into the belly cavity may aid by supplying quickly available sugars. Painting the udders of the sows with an iron-bearing compound is suggested. Injections of a few cubic centimeters of anti-hog-cholera serum also helps malnourished pigs. A veterinarian should be called," says Stouder.

A creep where young pigs can get rolled or hulled oats or a good pig meal, plus a little mineral, salt and iron mixture, saves the sow and stimulates better and cheaper pig gains.

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CO-OP MOTOR-OIL *Solvent Refined* WITH FURFURAL

Refineries, oil wells, pipe lines . . . these are some of the petroleum production facilities owned by thousands of farmers who are in business for themselves — the thousands who own and control Consumers Cooperative Association, lock, stock and barrel.

To meet their own special requirements, these co-op members are now producing new top-quality lubricants—CO-OP Solvent Refined Motor OILS, in Premium and Heavy Duty grades.

Hundreds of tests, in laboratories and on engine test-stands, have established that the new CO-OP Solvent Refined Motor OILS reduce sludge and carbon formation, will not corrode bearings, resist thinning out in hot weather, flow freely in cold weather.

In brief, they mean exceptionally clean and efficient lubrication. They're better oils, superior oils—because the first concern of a co-op is the exacting requirements of its thousands of owners, the thousands of farmers who are in business for themselves.

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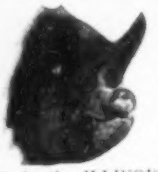


● At the IOWA STATE FAIR the Grand Champion market hog over all breeds and weights was sired by a Berkshire boar—The Reserve Champion barrow was a purebred Berkshire—The Grand Champion pen of three barrows was sired by a Berkshire boar—The Grand Champion 4-H club barrow was a purebred Berkshire—The Grand Champion F.F.A. barrow was sired by a Berkshire boar—The Grand Champion pen of three F.F.A. barrows was sired by a Berkshire boar.

● At the ILLINOIS STATE FAIR the Grand Champion barrow over all breeds and weights was a purebred Berkshire.

● At the last INTERNATIONAL LIVESTOCK EXPOSITION the Grand Champion carlot was purebred Berkshires for the eighth (8th) consecutive year. These Champions were awarded to Berkshires by five different head hog buyers of leading packing firms.

● Berkshires today are topping the markets and bringing premiums because they are the kind the market wants. Increase your hog profits. Use a Berkshire boar this fall.

40 BOARS AND 40 GILTS SELL

FAIRGROUNDS

SPENCER, IOWA, SATURDAY, SEPTEMBER 27, 1 P. M.

A big consignment sale of the tops from many herds. Finest quality. Sponsored by and under the management of the American Berkshire Association, Springfield, Illinois.

Yes, Raise the Kind They Want — Berkshires

QUALITY POLAND SALE

(Sale at farm east of town)

Mason City, Iowa, October 8

40 WELL-GROWN BOARS

One of the finest offerings to be sold this season. They average larger than the boar pig classes at recent Iowa State Fair. They are sired by **BIG NEWS**, 4th prize junior yearling at 1947 Iowa State Fair; **SHOW BOY**, a 6th prize boar at same show and **MIDWESTERN**, 1947 Iowa State Fair 3rd prize aged boar. Others are by **NEW DESIGN** and **COURAGEOUS**. They are out of dams sired by Midwestern, Perfect Blend, Black Rascal, Control, Model Rite and Big Yank. Breeding unexcelled. We sell **SHOW BOY**, 6th prize junior yearling at Iowa, a tried and proven sire of top quality pigs. Also **GLOW COAT**, the 4th prize fall boar at Iowa and one of the soundest and smoothest show prospects for 1948. He is a full brother to $980 top spring boar in our 1946 sale. All are well grown, richly bred, displaying modern type and real quality. Plenty of show prospects. Plan to come. Ask for **FREE** catalog. Please mention this publication.

EMMERT FARM, MASON CITY, IOWA

Auctioneer, H. S. Duncan — Maurice W. Boney, Fieldman

TIP TOP QUALITY DUROCS

(Sale in Comfortable National Swine Palace)

COLFAX, IOWA
Wednesday, October 1st

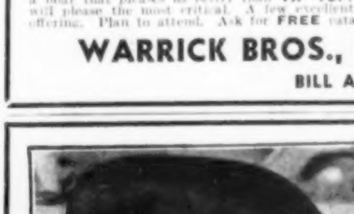
50 Extra Choice Boars and Gilts

We have selected from 225 head 50 of the finest we have ever sold. They are rugged, well-grown, displaying real quality and of the modern type. In our 17 years of breeding we have never owned a boar that pleases us better than **TIP TOP**. Most of the offering will be sired by him and they will please the most critical. A few excellent litters by **MARKET TYPE, JR.** You will like the offering. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

WARRICK BROS., PRAIRIE CITY, IOWA

BILL AND ERNEST

The Best In DUROCS



Our 1946 Iowa Grand Champion gilt, which indicates the kind we produce on our farm. The boars and gilts are of this type and quality.

Sale at farm located 3 miles northwest of town on Highway No. 22.

MUSCATINE, IOWA

FRIDAY, OCT. 3rd

30 TOP BOARS — 15 GOOD GILTS

A wonderful lot of boars and gilts, nicely grown, displaying top quality. Sired by **CHARMING ORION**, the Champion **CIMARRON, CIMARRON, JR., NEWS SPECIAL, CRIMSON FANCY** and other great sires, known for their ability to sire good **DUROCS**. New blood for old customers. Plan now to **COME!** Ask for **FREE** catalog. Please mention this publication. Address

HAROLD C. TIMM, MUSCATINE, IOWA

KNOTEK DUROC SALE

Sale at farm located north of Washington and south of

Riverside, Iowa
Thursday, Oct. 2nd

30 BOARS — 20 GILTS

One of our greatest offerings sired by **MODERN TREND, GRAND FLASH, CONSTRUCTION TYPE** and **CHERRY BOMBER**. Good breeding. Our herd was a strong winner at 1947 Iowa State Fair in open class and barrow show. Study the report in last issue. All our show animals sell. **MODERN MAID**, 1947 Iowa Junior and Reserve Grand Champion . . . full brothers and sisters to our champion pen of DUROCS sell. Six pigs shown by **MODERN TREND** and all were placed. Others by **GRAND FLASH** of herd-heading quality. Plenty of unrelated animals to sell. **FARMERS BOARS** at your own prices. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

KNOTEK BROTHERS, RIVERSIDE, IOWA

O. W. JONES & SON'S

Hampshire Sale

50 BOARS — 35 SOWS

UTE, IOWA, TUESDAY, OCTOBER 7, 1947

We are selling more good boars and gilts in this sale than we have ever sold before in any one offering. We will not make a winter sale and this offering includes the tops of all our spring gilts. Our boars have done well for us this year and we have a lot of boars that are good enough to head the best of herds, and these carry all the popular blood lines. There will be 50 head of boars including five good fall boars. The tops of all our spring gilts are selling in this sale and it will be a good place to pick up a few top gilts at a time when you can buy them right. We are selling a great litter of boars and sows by Jubilee's Thickset, one of the greatest boars of the breed today. There are 4 boars and 3 gilts in this litter. We are selling a good litter by The Herdsman, a son of Century Blender. There are some good boars in this Herdsman litter, also some good boars by Thick Model. Our is an offering you are all going to like this fall. Write us at once for a copy of our catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

O. W. JONES & SON, UTE, IOWA

Col. Chas. Corkle, Auctioneer — M. T. White, Fieldman

Quality-Bred Chesters

(Sale at farm adjoining town)

Center Junction, Iowa, October 9th

50 HEAD—35 EXCELLENT BOARS; 15 CHOICE GILTS

A real quality lot of boars and gilts, the best we have offered . . . they will improve your herd. We offer our prize winning spring litter at 1947 Iowa State Fair. We won 1st Get of Sire, 1st Produce of Dam and 1st Futurity Litter, and 2nd Young Herd, which indicates the quality. They are sired by **PATTON'S PRIDE, KENWOOD SUPREME, KENWOOD KING** and **SILVER TOP**. Plenty of the good kind. **COME.** Ask for **FREE** catalog. Please mention this publication.

SEEHUSEN & DANNEMAN, CENTER JUNCTION, IOWA

Thos. Sherlock, Auctioneer

6th ANNUAL SALE OF THE SOUTHEASTERN IOWA HOLSTEIN BREEDERS

at the Swartzendruber Sale Barn in the north edge of

WELLMAN, IOWA, WEDNESDAY, OCTOBER 8th

Sale Starts at 12:30 P. M.—Lunch on Grounds

40 head consigned from the leading herds of this area. **20** are registered cows and heifers, close springers or just fresh with calves at side. All bred to high record Rag Apple and Ormsby sires. Two bred to **BOMBER**, son of Transmitter, and 1st prize aged bull Iowa State Fair 1946. **12** very choice grade cows and heifers fresh or close up. Some with D.H.I.A. records. **8** service age bulls from record dams, all from 400 to 550 lbs. fat. All are **T.B.** and **Bangs** tested. Many calfhood vaccinated.

This is opportunity day for Holstein breeders in the market for foundation animals or high class commercial cows. The breeders of southeast Iowa are going deep into their breeding herds to support this sale. Write for catalog.

CLAUDE E. WYLAM, Sales Mgr., WAVERLY, IOWA

Dave Yoder, Auctioneer

Bright Star Guernsey Dispersal

At farm 5 miles northeast of Zumbrota on County Highway No. 10

ZUMBROTA, MINNESOTA, SATURDAY, SEPT. 27th

75 HEAD—6 BULLS, 69 FEMALES

The herd of **Carson Jamieson** with a few consignments from **W. E. Cushner** and others. Forty cows, many due to freshen this fall. Twenty-nine bred cows and open heifers. The heifers are by **LOOKWELL ROCKET** and a fine group, well-grown, pleasing type and displaying real quality. The six bulls include **WOODACRES ROYAL CHARMER** by Douglaston Prince Royal and out of Rockingham Charlotte 714 AA; **LOOKWELL ROCKET**, by Lookwell L. Bruno and out of Excalibur's Lola of Maple Row 835 AA and 30 of his daughters sell. This is an unusual opportunity. **EVERY FEMALE HAS BEEN CALFHOOD VACCINATED.** Plan to come. Ask now for **FREE** catalog. Please mention this publication.

PHILLIPS SALES AND PEDIGREE SERVICE, WAUKESHA, WISCONSIN

Sales Managers

SHADELAND FARMS DUROC SALE

Just north of Iowa line and Rock Rapids, Iowa

LUVERNE, MINN., MONDAY, OCTOBER 6th

50 Big Spring Boars — 25 Choice Spring Gilts

This is a fine lot of big, well grown, thick, deep-bodied, heavy-boned Durocs. Sired by **FANCY LEADER**, Minnesota Grand Champion; **LUCKY PROMOTOR**, and **LOW DOWN LEADER**. Also featuring a litter from our Minnesota Grand Champion sow sired by Low Down Leader. Juhl bred Durocs do well for others. New blood lines for old costumers. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

JUHL BROS., LUVERNE, MINN.

Auctioneer, John Hall

CHESTER WHITE SALE

At farm 4 miles west and 1 north of

Lake Mills, Iowa, October 4

30 BOARS — 20 GILTS

The Bidne herd has consistently produced the type and quality favored by breeders and farm producers alike. All are well grown, with full hams, deep sides and pleasing uniformity and balance. The offering is sired by **MISTIFIER FLASH**. A great sire of the right kind. They are out of our greatest brood sows. Real prospects. Plan now to see this offering. Ask for your **FREE** catalog mentioning this paper. Address

A. L. BIDNE & SON, LAKE MILLS, IOWA

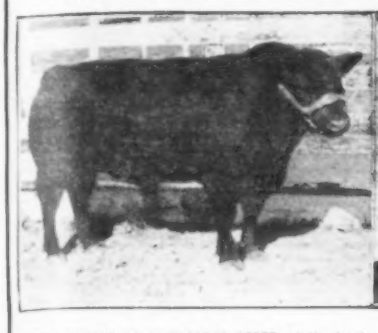
—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

O'CONNER-WARIN

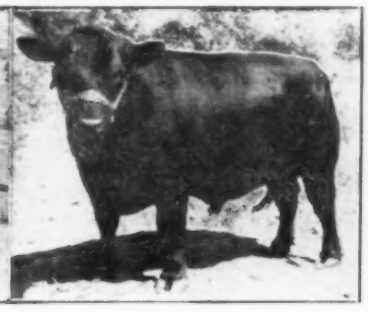
Aberdeen Angus Sale

60 HEAD—50 Cows and Heifers—10 Bulls

MALOY, IOWA, SATURDAY, OCTOBER 4, 1947



EILENEMERE OF MARYCREST 15678, at the head of the Warin herd.



PRINCE ERALAN H. P. II, owned by O'Conner & O'Conner.

Sale will be held at the John D. Warin farm, two miles west of town. The cattle selling in this sale will come from two of the best Angus herds in southern Iowa. Their herd bulls are as follows: Eileenmere of Marycrest 15678, is owned by Mr. and Mrs. John D. Warin, is a son of Eileenmere 487, the $20,000 herd sire of Penny & James, he by Eileenmere 85th, which was the grand champion in 1935. The Marycrest Farms are offering ten choice heifers bred to this bull. **PRINCE ERALAN H. P.** II is owned by the Cloverly Stock Farms, owned by O'Conner & O'Conner. He was the top selling bull at the Heart of America second sale in 1947, and the grandson of Black Prince of Sunbeam, the 1938 grand champion. There will be 27 cows and heifers that sell with calves at side by this bull and some rebred to him. They are selling a half dozen or more young bulls in this sale.

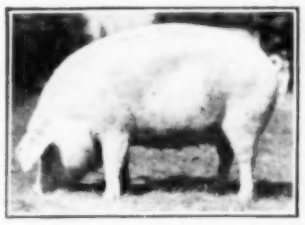
Here will be a sale where you are going to get some real bargains. There will be thirty or more cows that will sell with calves at side and a great many of these will be rebred. Both John Warin and the O'Conner's are selling a grand good lot of heifers in this sale, among which are Juanna Ericas, McHenry Barbaras, Enchantress Ericas, Blue Ribbon Blackbirds, and other popular families. The heifers selling in this sale are good heifers and in nice condition. They are bred to the John Warin's great young herd bull, Bar Prince of Sunbeam 6th, or to Prince Erlan H. P. 141, the O'Conner bull.

Write either of these consignors for copy of catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

JOHN D. WARIN or MAURICE O'CONNER
Maloy, Iowa Blockton, Iowa

Col. Roy Johnston, Auctioneer M. T. White, Fieldman

Grand Champion BRED CHESTERS



Sale at farm 7½ miles south of Vinton on Highway No. 218 and near

Van Horne, Iowa, Thurs., October 2

55 HEAD

35 BOARS—20 GILTS

A fine offering including an outstanding litter out of the top sow in the C. T. Keen & Sons sale for which we paid $505 and sired by **FASHION MODEL.** Five great boars in the litter, every one a herd boar prospect. One was 2nd at 1947 Iowa State Fair, the others are of like merit. Another great litter by **CHAMP JR.**, which includes the 2nd prize gilt at 1947 Iowa State Fair, the littermate boars and gilts will please. This is by far our best sale offering, the top selected from over 140 head and will be sired by **THE ARISTOCRAT**, 1946 Iowa Grand Champion; **CHAMP JR.**, 1945 Indiana Junior Champion; **FASHION MODEL**, the famous Keen herd sire, and **TALK ABOUT MODEL**, a son of the 1944 Iowa Junior Reserve Grand Champion. Breeding unexcelled. Plan to come or send an order. Ask for **FREE** catalog. Please mention this publication.

WALTER SCHMINKE & SON, VAN HORNE, IOWA

Auctioneer, J. E. Halsey

Advertisement

From where I sit ... *by* Joe Marsh

Can't Break His Good Habits!

Bert Childers was saying, it's funny how so many of our wartime habits stick with us.

Bert likes plenty of butter on his bread, but even now he can't get over spreading it like it was scarce as hen's teeth. And as a warworker, Bert used to stick to a temperate glass of beer on time off; and he still holds fast to beer and moderation.

And it's the same way with Bert's wife. She not only has no trouble saving used fats, and waste paper. She's learned from wartime necessity to save every single thing that might possibly be used again.

From where I sit, it's mighty good that so many of these common-sense habits like thrift and moderation have stayed with us. Because they *belong* in America—along with tolerance, and mutual respect for one another's rights. They're habits that have helped a whole lot to make this country strong and neighborly and free.

Joe Marsh

Copyright, 1947, United States Brewers Foundation

Olson-Sevig Herefords

Sale at Sevig farm, located 12 miles southwest of Cedar Rapids, and 1 mile north of

WALFORD, IOWA

Tuesday, Sept. 30

67 HEAD

12 BULLS, 3 EXCELLENT TRIED SIRES
9 YEARLING BULLS

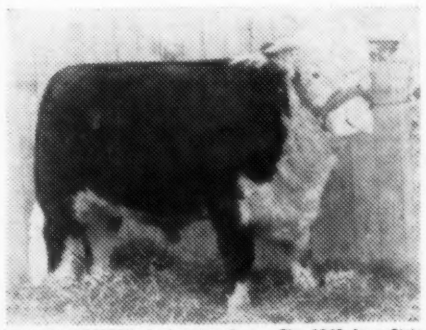
55 DESIRABLE FEMALES, MANY WITH BIG CALVES AT SIDE

CHOICE BRED COWS AND HEIFERS
ATTRACTIVE OPEN HEIFERS

LETSTON LAD 127th 2243058, as a calf. The greatest breeding son of the famous Don Blanchard 5th. His progeny featured in this sale.

OSCAR C. SEVIG, 38 grand females, 11 excellent bulls. 20 splendid breeding matrons with big lusty calves at foot by **TRIUMPH LETSTON,** 1946 futurity champion at Iowa state show and sale. (Illustrated here.) Eight choice females mated to **CA VALIENT STAR,** a WHR bred bull. Five choice bred heifers and 5 good open heifers, which are mostly daughters of **LETSTON LAD 127th.** The 11 bulls include two herd sires. **STANWAY ASTER 16th,** a good 4-year-old by Laura's Aster 20th, Dam Miss Stamway 12th. **CA VALIENT STAR,** a 2-year-old by WHR Valient Star. Dam by WHR Royal Domino. Two tried bulls that will please. The yearling bulls are ready for service and sired by **LETSTON LAD 127th** and **STANWAY ASTER 16th.** Herd bull material is plentiful.

OLSON BROS., 17 richly-bred females and 1 herd bull. The females are strong in the blood of **BEAU BLANCHARD** and **REAL PRINCE DOMINO** breeding. Several good cows with big fine calves at foot by the herd sire, **T. ROYAL RUPERT 17th.** Others are forward in calf to him and **HC DOMINO 12th.** Good females that will please and make foundation material. **T. ROYAL RUPERT 17th,** the tried and proven herd sire sells. His calves are evidence of his worth as a sire. He is a son of Hazford Rupert 81st, International grand champion. A herd bull for you. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address either



TRIUMPH LETSTON, in breeding form. The 1946 Iowa State Show and Sale futurity champion. A son of the great Triumph Triumph. His calves will please.

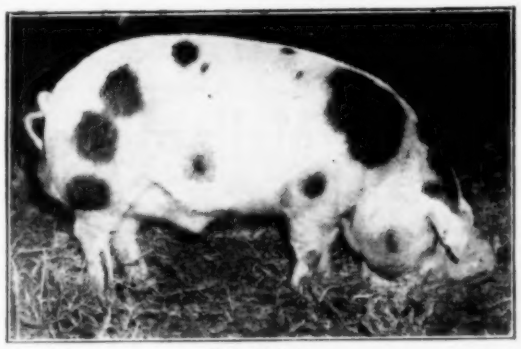
OLSON BROTHERS
Newhall, Iowa

OSCAR C. SEVIG
Walford, Iowa

J. E. HALSEY
Auctioneer

MILES M. AND MAX MANN'S SALE

Highly Bred Spotted Polands



THE FLASH

50 BOARS
25 GILTS

Woodbine, Iowa

(NIGHT SALE)

October 4, 1947

We are selling 50 head of the best spring boars we have ever raised, and 25 gilts. We are not making a winter sale so you are going to get the best we have raised this year in this sale. These are sired by **THE FLASH,** one of the highest selling boars of the breed and one of the best breeding boars now living. We are selling a splendid litter by Supersweet and a good litter by Vigoro, two of the best boars in Minnesota. You should all take notice of our boar, **THE FLASH,** because the 1st prize junior boar pig at the Illinois state fair last week was sired by a son of The Flash. We are selling a well developed lot of boars and sows, and a well marked offering in every way. We think it is the best offering we have ever sold since we have been in the business. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

MILES M. AND MAX MANN, WOODBINE, IOWA

Col. Charles Taylor, Auctioneer M. T. White, Fieldman

NELSON & PAULSEN'S

Spotted Poland Chinas

One of the greatest sales of the year and the greatest offering we have ever sold. Sale at

BLAIR, NEB., TUESDAY, SEPTEMBER 30th

AT VALLEY VIEW FARM, ONE MILE WEST OF BLAIR

Just take this from us, we are selling 50 head of the best Spotted Poland China boars that we have ever put through an auction ring, and these are sired by what we think are the three greatest boars of the Spotted Poland China breed. We mean **NEW GLORY, VALLEYVIEW SUPREME** and **MAESTRO,** and you will all agree with us when you see our offering on day of sale. Then these are out of dams by Starbeam, Domino and Midnight. These boars are the easy feeding type, with lots of length and depth of body. Our sale starts at 1:00 o'clock p. m. Come early and look these boars over before they are brought into the sale ring. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead.

NELSON & PAULSEN, BLAIR, NEB.

Col. Charlie Taylor, Auctioneer

HEREFORD HOG SALE

OCT. 9th Forty head, 15 boars, 25 gilts. Choice breeding and quality. A good place to select breeding stock. **COME.** Ask for **FREE** catalog. Please mention this publication.

MONROE YODER, KALONA, IOWA

Iowa Hereford Hog Breeders

(In Swine Palace)

Colfax, Iowa, Friday, Oct. 10th

50 HEAD—20 BOARS, 30 GILTS

Selected with care from leading herds in Iowa. A number of state prize-winners sell. The best produced in Iowa. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

Harris Sellers, Jr., Sec'y, Chariton, Iowa

BLANCHARD & SELLERS

Hereford Hog Sale

(Sale Pavilion)

CHARITON, IOWA, Sat., Oct. 11th

50 Head—20 Boars, 30 Gilts

A choice offering including several that placed well up in the money at the NATIONAL Show. Top quality, rich breeding. **COME.** Ask for **FREE** catalog. Always mention this publication. Address

Harris Sellers, Jr., Chariton, Iowa

Nodaway County

ANGUS SALE

At sale barn on Highway No. 71

MARYVILLE, MO., MONDAY, OCTOBER 6th

63 LOTS

1 Bull—62 Females

Selected from the leading herds in this section. Good quality, well-bred. The type that will please. Also 15 purebred **feeder calves,** suitable for **4-H** or **F.F.A.** members. A registered **ANGUS HEIFER** calf given away **FREE** to some lucky **4-H** or **F.F.A.** member. COME. Ask for **FREE** catalog. Please mention this publication. Address

F. B. HOUGHTON, Secy., MARYVILLE, MO.
Nodaway County Angus Association

4th Annual

BROWN SWISS SALE

SANDWICH, ILLINOIS

WEDNESDAY, SEPTEMBER 24

55 HEAD

10 High Record Bulls, including **LEE'S HI KEEPER'S HERO,** a son of a high record **JANE'S ROYAL** daughter. J. B. Leader, a son of a 734-lb. 2X Baron daughter.

45 High Quality Selected Females. Many fresh, others to freshen soon. Some good heifers. Ask for **FREE** catalog. Write to

BROWN SWISS SALE SERVICE
Lake Mills, Wisconsin

CHESTER SALE

BOARS AND GILTS

OCTOBER 7th

Thirty-five of the best I have ever sold, 20 boars and 15 gilts, sired by the Grand Champion at Davenport and other great sires. One litter is out of the Reserve Grand Champion sow at 1947 Iowa State Fair. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

HENRY JURGENSEN, OLIN, IOWA

Auctioneer, M. E. C. Jurgensen

Spotted Poland Sale

In Sale Pavilion

ALLISON, IOWA, SEPT. 24th

1:00 P. M.

70 HEAD 50 top boars and 20 top gilts. They are deep-bodied, good hams, with lots of color and the easy-feeding type. They are sired by **TRUE BEAM** and **GOODIE BOY,** best in blood lines. Plan to come. Ask for **FREE** catalog. Please mention this publication. Address

NIEHAUS BROS.
Greene, Iowa

WIESE BROTHERS AND NEIGHBORS

HEREFORD SALE

At Wiese Brothers farm, located 15 miles northwest of Davenport on all-weather road

DONAHUE, IOWA

Wednesday, October 1, 1947

40 HEAD—18 SPLENDID BULLS; 22 DESIRABLE FEMALES

THIS IS A FAIR SAMPLE OF THE HIGH CLASS FEMALES PRODUCED ON THE WIESE FARM. YOU CAN FIND THIS QUALITY HERE.

A choice lot of richly-bred cattle from **WIESE BROS.** and 4 neighbors which include **EARL HARRING,** DeWitt; **ED HARRING & SON,** DeWitt; **CLARENCE F. PAULSEN,** Stockton; and **EARL McGINNIS,** LeClaire, Iowa. A good lot of bulls, most all ready for service. Bulls suitable for herd-headers. 4 grand cows with big lusty heifer calves at foot and 18 beautiful open heifers. The bulls and heifers are sired by **REAL PRINCE DOMINO 3rd; REAL BRUCE D. K. 11th, REAL BRUCE D. K. 16th, DON BLANCHARD 9th** and **DOMINO LETSTON 2d.** The rich blood of **DOMINOS** and **BLANCHARDS.** Breeding unexcelled. Breeders and farmers can secure seed stock here at a reasonable price. Plan to attend. Ask for **FREE catalog. Please mention this publication. Address......**

WIESE BROTHERS, DONAHUE, IOWA

Auctioneer, J. E. Halsey

NORTHWEST MISSOURI

SHORTHORN BREEDERS ASSOCIATION, INC.

SHOW 10:00 A. M. SALE 12:30 P. M.

Judge: Wm. Milne, Mgr., Merryvale Farm

(In Sale Pavilion)

ROCK PORT, MISSOURI, MONDAY, OCTOBER 6th

63 Head — 29 Bulls, 34 Females

One of the best lots of cattle we have ever sold. Good bulls ready for service, solid colors, pleasing in type and conformation. The females include 4 with calves at side, 8 bred heifers and 22 splendid open heifers. Offering is strong in the following blood lines: Sni-A-Bar Golden Archer, Prince Peter Pride, Goldfinder Douglas, Imp. Montgomery, Goldfinder Avondale, Prince Supreme, Goldfinder Bondsman, Goldfinder Diamond, Sni-A-Bar Ransom Mercury, Royal Improver, Goldfinder Champion, Supreme Masterpiece, Royal Centurian 2d, Gallant Victor, Aspiration 2d, Sni-A-Bar Monarch and Helfred Golden Fame. Breeding that will assure their future usefulness. Plan to attend. Bargains are in store. Ask for FREE catalog. Please mention this publication. Address

JAMES MEYER, Sale Mgr., R. 1 **MARYVILLE, MISSOURI**

Auctioneer, J. E. Halsey M. T. White, Fieldman

Wasko's Hampshire Sale!

At the Goodchild farm, 2 miles north and 4 miles east of

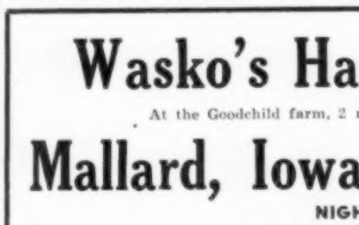
Mallard, Iowa, Tues., Oct. 7

NIGHT SALE

30 BOARS—30 GILTS

An excellent offering of uniform thick, heavy-hammed, well boned boars and gilts selected from over 180 pigs. They are sired by **FAULTLESS,** one of the greatest sires living in the Hampshire breed today. Faultless was recently purchased by Model Farm, Mundelein, Ill., for $3,500. Boars that will please the farmer and breeder. The gilts are of foundation calibre—4-H members are urged to inspect them. Plan to be with us sale night. Write for **FREE** catalog, mentioning this paper. Address

FRANK WASKO, MALLARD, IOWA



Poland Sale

At the Fairgrounds

HAMPTON, IOWA

OCTOBER 8, NIGHT SALE

30 BOARS—30 GILTS

Solve your hog problems by spending the evening in Hampton. We will feature the **IOWA JR.** and **RESERVE GRAND CHAMPION** boar and three of his litter mates. Polands with outstanding feeding quality, soundness, and pleasing type. 30 big, rugged boars and 30 beautiful gilts mostly sired by our good boars, **BLUE SKY** and **NEW DESIGN.** Boars to fill all needs at your price. Plan now to attend. Ask for **FREE** catalog. Please mention this paper when writing. Address

BROWN & BROWN, HAMPTON, IOWA

Auctioneer, H. S. Duncan M. W. Boney, Fieldman

YORKSHIRE HOG SALE

OCTOBER 2d

Bred gilts to farrow in October. Also open gilts and boars. High winning Yorkshire herd at Illinois state fair 1947, with 12 firsts. Several winners sell. Ask for **FREE** illustrated catalog.

YALEHURST YORKSHIRE FARM
Peoria, Illinois

SPOTTED POLANDS AND MINNESOTA NO. 1 BOAR AND GILT SALE

PIPESTONE, MINN., OCTOBER 9th

Choice breeding, good quality. Excellent boars and gilts of both breeds. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

A. LOPAU PIPESTONE, MINN.

Chester White Hog Sale

Wednesday, Oct. 1.

8:00 P. M. (NIGHT)
Fairgrounds

Oskaloosa, Iowa

125 Head

BOARS — OPEN GILTS — SOWS AND LITTERS

including best blood lines and show winners

IOWA'S LEADING PRODUCTION REGISTRY HERD

(Largest and heaviest litters at 56 days) 3 Fall Gilts given **FREE.** Be there by 8 P. M.

HERBERT F. HOOVER
OSKALOOSA IOWA

REGISTERED

JERSEY DISPERSAL

DISPERSING THE MILKING HERD OF REBAWILL JERSEY FARM

IOWA CITY, IOWA

TUESDAY, OCT. 14—12:30 P. M.

Sale at farm, 3 miles east of Iowa City on Highway 6. 55 Head Production Tested and Classified Jerseys. 30 Cows, mostly young, of Right Royal and Design blood lines. All Classified and have H.I.R. Production records. 17 Heifers, Bred Heifers, Yearlings and Calves. Several nice 4-H Club Heifers, dropped since July 1. Several Choice Young Bulls, from high record and Classified dams. Calfhood vaccinated. All T.B. and Bangs tested.

W. S. MORRISON, Owner, IOWA CITY, IA.

For Catalog write **Ivan N. Gates, Sale Manager, West Liberty, Iowa.**

Reg. Jersey Dispersal

Selling the entire herd of

BARR KESHLEAR, SHENANDOAH, IOWA

At the farm at north edge of town, on

THURSDAY, OCT. 16, 1947

Beginning at 12:30 P. M.

50 Production Tested and Classified Jerseys

18 Cows, mostly young, of desirable blood lines for foundation stock, combining high production with desirable type. 30 Heifers, mostly daughters of Wood Acres Valiant Pinn, (also selling in the sale), a grandson of Pinn's Excellent Superior, Gold and Silver Medal Sire. Bulls include **HIGHFIELD GOLDEN DESIGN,** Four Star, very good son of Ena's Design B and out of Highfield Golden Thresk Excellent Silver Medal Cow. Practicing Calfhood Vaccination. All T.B. and Bangs Tested. For catalog write

IVAN N. GATES, Sale Mgr., West Liberty, Ia.

REG. JERSEY DISPERSAL

Sand Cliff Jersey Farm—Rochester, Minn.
at the farm, 1 mile west on Highway 14

SATURDAY, OCTOBER 11, 1947

1:00 P. M.

50 HEAD—PRODUCTION TESTED AND CLASSIFIED JERSEYS

28 cows, mostly young, all have D.H.I.A. Records and are Classified for type. Of Production-Bred Blood Lines. 23 Heifers, Bred Heifers, Yearlings and Calves. The majority of the heifers are sired by **VALIANT STANDARD WONDER** (from Freedom Farms), a two star son of Brampton Standard Valiant. 2 Choice Young Bulls. All T.B. and Bangs Tested.

FREDERICK J. FURLOW, Owner
ROCHESTER, MINN.

For Catalog write Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

Auctioneer, Joe Reisch, Mason City, Iowa

Milking Shorthorn AUCTION

Fair Grounds

OWATONNA, MINNESOTA

WEDNESDAY, OCTOBER 15th

1:00 P. M.

Choice bulls, cows and heifers, rich in pedigree, pleasing in quality, selected from the best herds in the state. Ready to work for you and make a PROFIT. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

R. E. HODGSON, Secy., WASECA, MINN.
Minnesota Milking Shorthorn Breeders Assn.

MILKING SHORTHORN SALE

Located 40 miles north of St. Louis, Mo., near Delhi, Illinois

BRIGHTON, ILL., OCT. 9

42 REGISTERED CATTLE

The offering is well-bred, rich pedigrees, high quality and include 30 females with 8 calves to arrive before sale day, several in milk, others bred and a few open heifers, 4 choice bulls. We feature the blood of **OTIS, NATICK FARM, HOLLANDALE, NORTHWOOD** and **BORG** breeding. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

JOHN F. GIBBONS & SONS
BRIGHTON - - - ILLINOIS

POLAND SALE

OCTOBER 15th

35 selected boars from sow-tested-litters for Recommendation, Super Value and Perfect Tone, prize winners. **FREE** catalog.

J. H. AULTFATHER & SON, AUSTIN, MINN.

BIGGER 'N BETTER

DAIRY CATTLE CONGRESS

COME ONE COME ALL

NATIONAL BELGIAN SHOW

★ International Waterfowl Show ★ American Poultry Congress
★ 4-H Club Heifer Show ★ Mid-West Industrial Expo.
★ Complete Women's Dept. ★ Garden and Flower Show

All Set for a Grand Show—record breaking entries in all departments—scores of educational displays—hundreds of farm and home equipment exhibits—dozens of contests, demonstrations and programs of interest to every member of the family.

THE MIDWEST'S GREATEST

Farm Machinery Exposition

Write for Information THRILLING PROGRAMS TWICE DAILY IN MAMMOTH HIPPODROME *Your Vacation Week*

SEPT. 29 - OCT. 5 WATERLOO IOWA

FRANTZ BROTHERS HAMPSHIRE SALE

80 HEAD—40 BOARS, 40 SOWS

Grand Junction (Night Sale)

October 9, 1947

We are selling 40 boars, many of which are real herd boar prospects. Sired by Ned Idea, Top Design, Mischief Mixer and others. Selling 29 head of half brothers to the $3,500 boar, Faultless, in our sale. Twenty head of choice gilts bred the same way. **NEW IDEA** gilts have been topping other sales. We have them for you in our sale. Write for our catalog and please mention this paper. Address

FRANTZ BROS., GRAND JUNCTION, IOWA

Col. Giss Shaw, Auctioneer M. T. White, Fieldman

C. W. CREES' SALE

POLAND CHINA BOARS and SOWS

27 BOARS—25 OPEN SPRING GILTS

BAYARD, IOWA, OCTOBER 8, 1947

The sale will be held at the farm, seven miles southwest of town. This is our annual sale, and we have been holding these sales for the past thirty-five years. Our herd has been regarded as one of the best in the state of Iowa, and you will find some splendid boars and gilts in this sale. I am selling 25 head of spring boars and 25 head of spring gilts, and 2 splendid fall boars that are exceptionally good. If they continue to do as good as they are doing now they will be exceptionally good by day of sale. They are sired by **BEST MADE** 169856 and **FINANCE** 17585. We have two litters by the champion boar, **ZOMBIE**, and one litter sired by the Missouri junior champion, **FARMER BOY**, that good herd boar owned by Lou McClarnon. If you are looking for good Poland Chinas I know I have them for you in this sale. My sale has always been a good place to buy well bred boars and sows, at prices that you can afford to pay. Write for my catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

C. W. CREES, Owner, BAYARD, IOWA

Cols. Orie Stephens and Frank Irlbeck, Auctioneers. M. T. White, Fieldman

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R. A. RIEMENSCHNEIDER'S GREAT SALE

CHESTER WHITE BOARS

50 HEAD OF HERD HEADING BOARS

KINGSLEY, IOWA SEPTEMBER 30, 1947

This is the greatest lot of Chester White boars that will be sold at public auction this year. We say this advisedly, and we know what we are talking about. Our boars will average 240 lbs. by sale time, and they have a type that the boys all like. Not only that they have the breeding, blood lines that are in the limelight just now. They have good wide backs and good feet and legs. They are sired by Silver Liner 530259, Warner King's Son 526417, Balancer Ideal 520993, Sunnycrest Toluca 541103, and Sunnycrest Modeler 542289. You will find many outstanding boars by the above mentioned sires, and some outstanding boars by Warner King's Son. Our blood lines are as good as anything that will sell in any sale this fall. Sale starts at 1 o'clock p.m., at the farm just three-quarters of a mile east of town. Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

R. A. RIEMENSCHNEIDER **KINGSLEY, IOWA**

Col. Hugh McGuire, Auctioneer M. T. White, Fieldman

HIGH CLASS DUROCS

Sale at farm, 3½ miles north on Highway No. 136

DYERSVILLE, IOWA

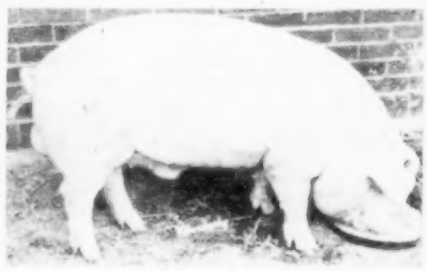
SATURDAY, OCTOBER 4

60 HEAD—30 Great Boars, 30 Choice Gilts
Tops Selected from One of the Best Herds

One of the best offerings of the year. All are well-grown, of the modern type and display real quality! They are by **TOP SET**, the first prize aged boar at 1947 Iowa state fair, a son of Low Set, 1945 Iowa grand champion; **ROYAL LEADER 4th**, a son of the 1946 Iowa grand champion, and **MODEL ORION**. Breeding and quality unsurpassed. Some of the boars will weigh up to 300 lbs. The easy-feeding sort that are in demand. A place to select a top herd boar or a few of the right kind of gilts. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

GREGOR F. VASKE & SONS, DYERSVILLE, IOWA

Auctioneer, H. J. McMurray



Model Chieftain, 1946 Iowa Junior and Reserve Grand Champion, a son of Big Chief, and a litter mate to Reserve Grand Champion Barrow.

Quality Chester Whites

Sale at farm, located 8 miles east of Marshalltown on Highways No. 30 and 64 and just west of

Le Grand, Iowa

Wednesday, October 8th

30 TOP BOARS
20 CHOICE GILTS

One of the greatest offerings we have ever sold. Sired by **BIG CHIEF** and **FASHION MODEL**. It was **BIG CHIEF** that sired the last prize fall boar and Junior Champion at 1947 Iowa State Fair as well as many other winners. **FASHION MODEL** sired the first prize and Reserve Junior Champion Gilt. We feature **5** boars and **4** gilts, fall brothers and sisters to the Junior Champion Boar and **5** litter mate boars to the Reserve Junior Champion Sow. Breeding to assure their future usefulness. The type and quality that will appeal to our best hogmen. Plan now to come. Ask for **FREE** catalog. Please mention this publication.

C. T. KEEN & SONS **LE GRAND, IOWA**

Auctioneer, Clair Mason Maurice W. Boney, Fieldman

C. W. NELSON & SONS' GREATEST SALE

Spotted Polands

50 BOARS — 25 GILTS

Harlan, Iowa, September 30, 1947

NIGHT SALE

I have never sold a better offering than I am selling in this sale. Everybody who has seen them pronounce them the best I have ever sold. They have been well grown, and are sired by New Ideal and Smooth Glory, and they are out of dams by Superman and Spotless Equal. These are outstanding, and the quality is very good. They are certainly the best I have ever produced. Catalogs sent on request. Mention Wallaces' Farmer and Iowa Homestead, and address

C. W. NELSON & SONS, HARLAN, IOWA

Elmer Taylor, Auctioneer M. T. White, Fieldman

HIGH QUALITY CHESTERS

at Farm, 10 Miles Northwest of

CLARION, IOWA

TUESDAY NIGHT SEPTEMBER 30, 1947

35 Excellent Boars and Gilts

One of the finest offerings we have ever sold, selected with care from a large number. Only top individuals are cataloged. They are sired by THE BALANCER, "the old reliable," CLARION ACE, a great breeding boar, and GLAMOUR BOY, JR., Ohio Champion, 1946. Best in blood lines. All are well grown, rugged, thick with full hams and modern type. You will like the quality. Solve your herd boar problem by spending the evening at the Naefke farm. Ask for FREE catalog. Please mention this publication. Address

ROBERT NAEFKE, Clarion, Iowa

John Hall, Auctioneer

PUT SOME OF THAT EXTRA CASH INTO U. S. SAVINGS BONDS

AN OUTSTANDING

POLLED SHORTHORN EVENT!

Sioux Empire Polled Shorthorn Club, Inc.
To Be Held at the Fairgrounds
SIOUX FALLS, SOUTH DAKOTA

Tuesday, Oct. 7th

68 HEAD

THE BULLS—30 selected to fill the needs of all buyers, including individuals in plentiful numbers whose quality and blood lines commend them to head good purebred herds. Many are ready for heavy service.

THE FEMALES—38 bred and open heifers, pleasing in type and rich in the best blood of the breed. A most attractive and valuable group of brood cow prospects for better Polled Shorthorns.

Not just a sale for surplus, but a real effort to promote the breed through the sale of cattle that are representative of the best efforts of the most successful breeders. The cattle have been drawn from strong herds in four states which include the following: MINNESOTA—M. H. Basset, Rushmore; A. C. Constable, Rushmore; B. O. Rue & Sons, Lakefield; Huso Bros., Minneota; A. Lopau & Sons, Pipestone; C. H. Elkmeier, Pipestone; Walter Pagel, Marshall; L. E. Sasse, Sleepy Eye; Henry O. Larson, New Ulm; Eugene Altmann, New Ulm; Harold Kissner, Sleepy Eye; SOUTH DAKOTA—Frank Vander Does, Gary; Randall Peterson, Jr., Groton; E. H. Thormodsgaard, Hudson; Edw. Thranum & Sons, Menno; Wm. DeNeui, Chancellor; Henry O. Strunk, Irene; IOWA—Ernest Bremer, Ocheyedan; Minor O. Blum, Terril; Seely Bros., Algona; NEBRASKA—H. B. Warner, Dakota City; F. Blomstrom & Son, Waverly.

Plan now to attend. Ask for FREE catalog, mentioning this publication. Address

JOHN F. WHITE, Secretary **CANTON, SOUTH DAKOTA**

Auctioneer, J. E. Halsey M. H. Boney, Fieldman

NORTHEAST MISSOURI ANGUS BREEDERS

In Pavilion Located Forty Miles South of Ottumwa, at

MEMPHIS, MISSOURI

FRIDAY, OCTOBER 3rd

87 HEAD

17 BULLS — 70 FEMALES

This is a splendid lot of cattle selected with care from the best herds of this territory. The seven bulls include some real prospects, herd-heading material. The females are a most desirable lot, and include some grand breeding matrons with big lusty calves at foot and rebred, a number of good bred cows and heifers and a most attractive lot of open heifers. The consignors are:

J. Ed Daggs & Sons	Arbelia, Mo.	Myron Baker	Kahoka, Mo.
Glen Waples	Alexandria, Mo.	Dan Husted	Arbelia, Mo.
Dr. and Mrs. W. R. Dierks	Memphis, Mo.	P. O. Van Meter & Son	Queen City, Mo.
R. G. Harris	Memphis, Mo.	Floyd C. Hocker	Downing, Mo.
Dr. Geo. Laughlin	Kirksville, Mo.	Lloyd Riley	Downing, Mo.
Earl Rogers	Kirksville, Mo.	P. G. Sloop & Son	Queen City, Mo.
Harold Rogers	Kirksville, Mo.	Williams & Collins	Unionville, Mo.
James Barkley	Lucerne, Mo.	Don C. Pollock	Unionville, Mo.
Selden Wiseman	Unionville, Mo.	Maurice Fowler	Livonia, Mo.
R. W. Husted	Rutledge, Mo.	R. L. Woolever & Son	Livonia, Mo.
L. E. Lovecamp	Queen City, Mo.	Forest Smith	Unionville, Mo.
Eldon Tietsort	Worthington, Mo.		

The blood lines will appeal to those in the market for top quality cattle; they will help work breed improvement. The large number affords a wide selection. Make plans now to attend. Ask for **FREE** catalog, mentioning this publication. Address

W. R. DIERKS, Secy., MEMPHIS, MO.

Auctioneer, Roy Johnston J. E. Halsey, Fieldman

Lettow's Hampshire Offering

Sale at Herbert Lettow farm located south of Iowa Falls and west and south of

Alden, Iowa

Wed., Oct. 8th

Night Sale Starts at 7:00 P. M.

One of the gretest offerings we have ever presented to the public which includes all of our winners at the Iowa and Nebraska State Fairs. The Iowa Reserve Junior Champion and littermate to the Iowa Junior Champion sow sell. Most of them are sired by **MOHAK**, the sire of our prize-winners. Other are sired by **SHINE-ON, ACME** and **POST WAR**. Breeding and quality that will please. The place to secure a real herd sire. You can buy a good boar here at your own price. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

LETTOW BROTHERS, ALDEN, IOWA

HARVEY C. LARSEN'S GREATEST SALE

Spotted Poland Chinas

50 BOARS 50 GILTS

Harlan, Iowa,

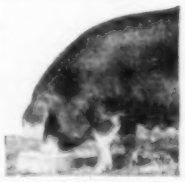
Thursday Afternoon, Oct. 9

These boars and gilts are sired by Genius, that great son of Prospect, and out of a Welcome dam; Correct Way, a good son of Hebner's Choice; and HC Special, that great breeding boar, sired by New Era. Dams of these are daughters of Gold Bond, Show Boat, Royal Bond and Gold Lad. These are strictly the middle of the road kind—big, thick, easy-feeding quality boars. There will be plenty of herd boar prospects among them. I am selling a great set of gilts, some of the best to be sold this fall. They will make a real addition to any herd, or a real foundation for the man starting a new herd. Write for my catalog at once and mention Wallaces' Farmer and Iowa Homestead. Address

HARVEY C. LARSEN, HARLAN, IOWA

Taylor and Martin, Auctioneers M. T. White, Fieldman

HIGH-CLASS POLANDS



Sale at farm 6 miles southeast of

MONTICELLO, IOWA, MON., OCT. 6th

60 HEAD

40 Great Spring Boars—20 Excellent Gilts

One of the best offerings we have ever presented. All well-grown and the type that are in demand, with plenty of quality. We sell **GOLDEN ROCKET**, the 6th prize pig at 1947 Iowa State Fair and 4 litter mates of equal merit. One choice litter by **REVELATION**, 1947 Iowa grand champion boar. They will please. Others are sired by **TOPS**, the 3rd prize Junior yearling at Iowa, and **IOWA PRIDE**, a great sire. They are out of daughters of **MATADOR, LUCKY STRIKE, THE HERO** and **WARRIOR**. Best in breeding and the sort that will help work breed improvement. A place to buy your boar or gilts. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

HELGENS BROS., MONTICELLO, IOWA

Auctioneers, H. S. and Harry Duncan

4th Annual Iowa

AYRSHIRE BREEDERS ASSOCIATION SALE

At auction Dairy Cattle Congress sale pavilion

WATERLOO, IOWA, THURSDAY, OCTOBER 9th

12:30 P. M.

40 Excellent Females—5 Choice Bulls

This is a very richly bred offering of top **AYRSHIRES** from the leading herds in Iowa. There has never been a better opportunity to buy the best. All are **T.B.** and **BANGS** negative. Many calfhood vaccinated. Plan now to attend. Catalog at Ringside. For **FREE** information write, mentioning this publication. Address

RICHARD SEARS, Sale Mgr., GRINNELL, IOWA

CHESTER WHITES

at farm 4 miles east, 4 miles north and ¼ mile east of

PRIMGHAR, IOWA—SEPT. 29—NIGHT SALE

40 Boars — 45 Gilts

We have selected only the tops from our crop of 280 to make this one of our best offerings. Good well grown easy feeding boars and gilts that are profitable for the farmer. Sired by such leading boars as THE SPARKLER (sired the champion Chester White barrow and the champion pen of F.F.A. barrows at this year's State Fair), 1944 MODEL, IOWA CHAMP, OCTOBER CHAMPION (Minn. Champion 1945) and other leading boars. The 45 gilts will be outstanding foundation material. Plan to attend. Ask for FREE catalog mentioning this publication. Address

CLARENCE SMITH, JR. PRIMGHAR, IOWA

Third Annual Brown Swiss Sale

At All-Iowa Fair Grounds

CEDAR RAPIDS, IOWA

Wednesday, Oct. 1

60 HEAD CHOICE SWISS SELECTED BY COMMITTEE

A grand lot of cattle selected with care from the best herds in the state, rich in breeding and displaying merit, production and quality. There are **37** grand cows in milk, 11 fine bred heifers, 8 beautiful open heifers and 4 top bulls of herd-heading quality. This is an event you will want to attend. Plan now to **COME!** Ask for **FREE** catalog. Please mention this publication.

H. A. BRUNNEMEIER, Secy., R. 3, Box 1000, SPENCER, IOWA
IOWA BROWN SWISS ASSOCIATION

Spotted Polands

Sale at farm, under cover

OCTOBER 11th

Over **100** head of **BOARS** and **GILTS**, the easiest-feeding pigs I have ever raised, that's what counts most than ever with high feed prices. They are by **TOP HIGH**, the $1,210 top son of Hinge, 1947 Iowa grand champion; **ADVANCE**, a $3,000 boar; **SQUARE SUPREME**, the $800 boar, and the $3,000 **PILOT** and **CITATION**. Great sires. You can buy them at your own price here. Votes. Ask for **FREE** catalog. Please mention this publication.

ALBERT KREMER, LAKE LILLIAN, MINNESOTA

L. C. LARSEN & SONS' SALE

Royally-Bred

HEREFORDS

40 Head

Audubon, Iowa, October 1

TH NORTH STAR 53rd
Purchased in the Walter Thorp sale, and one of the best bulls in Iowa.

We are selling nine cows with calves at foot by this great bull and some of these are rebred. Then there will be some good tried cows and these are all bred to this same bull. Then there are six or eight nice heifers in our sale that will have calves at side by sale time. We are selling 15 bred heifers and these are not only very choice but they are very well bred in the best blood of the breed. We bought several of these heifers in the best sales here in the west and these were choice heifers when we bought them. We are also selling nine very promising young bulls in our sale. Four of these are sired by **TH NORTH STAR 53rd**, and the others by Intense Domino J. We have a nice offering for those who are looking for the best there is in Hereford cattle. It will be a splendid sale to buy cows or heifers that are bred to such a bull as we have at the head of our herd. We think this bull is one of the best that stands at the head of any herd in western Iowa. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

L. C. LARSEN & SONS, HAMLIN, IOWA

Auctioneer, Fred Chandler — M. T. White, Fieldman

SWANSON BROS. SALE

Highly Bred Scotch

SHORTHORNS

ESTHERVILLE, IOWA

We are selling at the farm, off of Highway So. 9, one and three-quarters miles south of SUPERIOR

Saturday, October 4th

50 HEAD

10 Good Bulls—40 Well Bred Females

Most of the cattle selling will be sired by **DIVIDE DEFENDER 2d**, one of the shortest legged bulls in the country, and by **N. U. ROYAL NUGGET** by the 1942 Denver grand champion, **S. U. GOLD NUGGET.**

THE BULLS—10 low-set, thick-fleshed, typy individuals ready for heavy service. They are selected to fill the needs of all buyers and include some outstanding prospects that commend them to head good purebred herds.

THE HEIFERS—14 excellent heifers bred to our new imported sire, **SCOTSDALE ADMIRATION** by Calrossie High Finance. He is really a great bodied bull, wonderful in his fleshing and natural covering. The 16 open heifers are all well grown and right up to breeding age. They are a uniform lot of foundation material that anyone who enjoys good cattle would appreciate.

THE COWS—10 very choice cows selected from our breeding herd. They will have big, lusty calves at side or will be right up for calving. A sound investment that will bring quick returns to the buyer.

We are sincere in saying that this is by far the best offering we have ever sold. Remember the sale will be held at the farm. Plan now to attend. Please menetion Wallaces' Farmer and Iowa Homestead when writing for your **FREE** catalog. Address

SWANSON BROS., ESTHERVILLE, IOWA

Auctioneer, J. E. Halseey — M. W. Boney, Fieldman

BOTNA VALLEY-SHELBY COUNTY

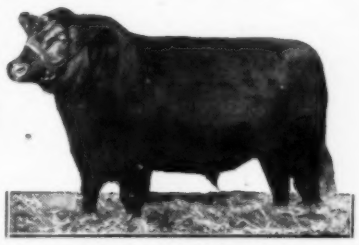
ABERDEEN ANGUS

Breeders Associations Show and Sale

TUESDAY, October 7, 1947

at the Horse and Mule Barns

So. Omaha, Nebr.



SHOW — 9:30 A. M. **SALE — 12:30 P. M.**

——100 LOTS——

30 Bulls, all of serviceable age. Bulls for range, purebred or commercial herds.

35 Bred and Open Heifers, consigned from the top herds of western Iowa and eastern Nebraska. Popular families with individuality and pedigree.

15 Cows, most with calf at foot, and rebred. A three-in-one combination that is sure to win.

20 or more top 4-H Club Steer Calves. There have been many winners sold in our past sales. Every effort will be made to secure only top calves.

CONSIGNORS

John Kimball ..... Kirkman, Iowa
Danley Thompson & Sons..... Irwin, Iowa
Tom Barratt & Sons..... Irwin, Iowa
Otto Frank ..... Manilla, Iowa
Harry Lehnhardt ..... Hancock, Iowa
Harvelawn Farms ..... Marne, Iowa
Fred R. Long..... Atlantic, Iowa
William Drahota ..... Monroe, Neb.
J. L. Thurmond..... Omaha, Neb.
Howard Reason ..... West Point, Neb.
Gard Bros. ..... Beaver Crossing, Neb.
A. H. Whittum..... Stuart, Iowa
Layton Angus Farm..... Walnut, Iowa
Dobesh Bros. ..... Seward, Neb.
Chas. F. Hopp & Son..... Glenwood, Iowa
M. L. Heiken..... Coon Rapids, Iowa
Earnest Whitlock ..... Omaha, Neb.
F. S. Whittum..... Stuart, Iowa
Whittum & Herkelman..... Stuart, Iowa
David's Valley Farm..... Exira, Iowa
P. K. Pratt..... Walnut, Iowa
Findlay & Christensen..... Harlan, Iowa

Catalog will be mailed on application. Write for it at once and please mention Wallaces' Farmer and Iowa Homestead. Address

SALES MANAGERS

E. J. BAKER, Exira, Iowa — Hamilton James, Auctioneer
OTTO FRANK, Manilla, Iowa — M. T. White, Fieldamn

SALE HEADQUARTERS—Hotel Castle, Omaha, Neb., 16th and Jones St.

CEDARWOOD LAVENDER 10th sells mated to Marshall Command. The sort that sell in this sale. MILES OF VIEW PRINCE, a son of Calrossie Prince Peter, the Perth Champion. He sells in the sale.

SHORTHORN SALE

Sale at Kardel farm, located 10 miles northwest of Davenport and 5 miles northeast of

WALCOTT, IOWA, WEDNESDAY, OCTOBER 8, 1947

42 HEAD—18 CHOICE BULLS, 24 EXCELLENT FEMALES

GILBERT KARDEL, 20 head, 9 good bulls ready for service sired by **DIVIDE SERGEANT** by Duke of Killearn and **MARELLBAR REWARD,** a son of Klaymor Footprint. Eleven beautiful females of foundation character, 10 are heifers and one cow, 4 are bred to **MARELLBAR REWARD** and 7 are open. The families are **Augusta, Rosewood** and **Beauty.** Good breeding cattle.

PENNINGROTH BROS., 14 lots, 6 bulls, 8 females. Two cows with calves at foot by **Miles of View Prince,** five excellent bred cows and one attractive open heifer. Three are bred to **IMP. ICENI COMMODORE,** a good grandson of Calrossie Randolph. The bulls include **MILES OF VIEW PRINCE** (illustrated here), a son of the Perth champion, Calrossie Prince Peter. Five yearling bulls, 2 by Divide Wellington, 2 by Divide Cadet, one January bull by Miles of View Prince.

CARLTON A. REED, 8 head, 3 splendid bulls. One a son of Command's Dictator. A brother to the second top bull at the June sale, Abingdon, Ill. Herd bull prospects. Three cows, two with calves at foot and the other will calve in November. One a Secret and Dam of our top bull in 1942 sale and top bull at 1943 Abingdon sale. Two grand heifers bred to Marshall Command, a grandson of the International grand champion, Campbell's Command. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address either

GILBERT KARDEL Walcott, Iowa — **PENNINGROTH BROS.** Wellman, Iowa — **CARLTON A. REED** Bellevue, Iowa

Auctioneer, J. E. Halsey

AUGUSTA 21st, a daughter of Divide Sergeant, and bred to Marellbar Reward. She will please. BEAUTY 118th by Divide Sergeant and well forward in calf to Marellbar Reward. You will like her.

Spotted Polands

Sale at Farm

OCTOBER 2d

71 HEAD—46 Boars and 25 Gilts

Selected from a large number. All well-grown, good type and quality, sired by CAN'T BE BEAT, FARMERS KIND and KELLOGG'S ANSWER. We sell our reserve Junior Champion boar at 1947 Iowa state fair and the 2d prize fall boar. The kind for herd sires and plenty of them. COME. Ask now for FREE catalog. Please mention this publication.

EARL KELLOGG & SON
WINFIELD - - - - IOWA

JERSEY DISPERSAL

48 REGISTERED AND GRADE JERSEYS

Included are 27 cows, 8 springing, 13 in heavy production and 6 due in winter. 7 bred heifers, 8 yearlings, 4 heifers, 8 mos., and 2 calves. Cows bred to Woodacres Royal, whose dam has 608 lbs. fat in 305 days. Strong Brampton breeding.

MONDAY, SEPT. 29th

2½ miles north of Rochester on 63 and 5 miles northeast on crushed rock road.

DR. FRANK C. JACOBS, OWNER
Minnesota Sales Co., Mgrs.
Rochester, Minnesota

LIVESTOCK FOR SALE

SHEEP
Hampshire, Oxford, Southdown and Shropshire Rams and Ewes

Three young Percheron Mares

DAIRY BULLS
Two to 8 months of age. Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breeds.

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DAIRY CATTLE

HOLSTEIN AND GUERNSEY

HEIFERS
All ages. Some bred. Good breeding. Sold on approval.
JAMES E. WELCH MUKWONAGO, WIS.

BULL AND HEIFER CALVES

Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
J. M. McFarland, Watertown, Wis.

CHOICE HEIFER CALVES

from high production cows. Holstein and Guernseys. $33.00 plus express.
GREENWALD BROS.
Oakland Dairy Farms Mukwonago, Wisconsin

HOLSTEIN AND GUERNSEY

HEIFERS
Well marked, choice high grades, six to eighteen months, tested, carloads or truck loads.
ED HOWEY SOUTH ST. PAUL, MINN.

GUERNSEYS

GUERNSEYS

Offering 5 to 30 choice Guernsey heifer calves, best type and breeding. Delivered by truck and express, on approval.
OAKLAND GUERNSEY FARM, Mukwonago, Wis.

WISCONSIN GUERNSEYS

Month old heifer calves. Production bred—good color—satisfaction guaranteed. $35.00 each. C.O.D. on approval. All express charges prepaid. Order from this ad. CHANDLER DAIRY FARM, LAKE GENEVA, WIS.

HOLSTEINS

HOLSTEINS

Offering 5 to 30 choice Holstein heifer calves, best type and breeding. Delivered, by truck and express, on approval.
R. R. LOBDELL MUKWONAGO, WIS.

CHOICE
HOLSTEIN BULLS

Governor of Carnation and Posh breeding, serviceable age. You will like them.
SHOMONT FARMS MONTICELLO, IOWA

Holstein and Guernsey Heifers

Full blood and high grade heifers. 1 to 3 weeks, $25.00. 2 to 3 months, $42.50. Large, well marked, excellent type, with good production backgrounds. Will express C.O.D. subject to approval.
Midwest Cattle Co., Box 15, Kansas City, Mo.

JERSEYS

DON'T BUY A JERSEY BULL

Until you have visited
ARMAN'S JERSEYS
R. R. No. 2 DES MOINES Tel. 6-8446
½ mile east city limits on Easton

JERSEYS

Choice young bulls and bull calves. Breeding considered, these youngsters are offered at real bargain prices. Send for free list.
ENNIS STOCK AND DAIRY FARM
FESTUS, MISSOURI

—OUR ADS ARE NEWS—

AYRSHIRES

THREE REGISTERED
AYRSHIRE BULL CALVES

RANGE FROM 3 TO 7 MONTHS OLD.
T.B. and Bangs free.
RALPH B. VERNON, R. 3, OTTUMWA, IOWA

HEREFORDS

REGISTERED HEREFORDS

Leading blood lines, lots to suit.
High Grade JERSEYS.
SHAWNEE CATTLE CO. DALLAS, TEXAS

260 WHITE FACE

Yearling steers for October delivery, 20c lb. Also 200 extra good heifer calves for sale. Inquire
A. VANDEVENTER DUNNING, NEBR.

POLLED HEREFORDS

Polled Hereford Heifers

Offering 7 nice yearling Polled Hereford heifers, of Domino, Woodford and Bullion blood lines. Very choice. Write, phone or come and see them.
CARL ROSS & SON ROSS, IOWA

RED POLLS

RED POLLS

THE "DOUBLE YOUR INCOME" BREED
Write for information and "Red Poll News"
Red Poll Cattle Club
3234 Starr Street, Lincoln 3, Nebraska

SHORTHORNS

Scotch Shorthorn Bulls

For sale, ready for service. Sired by Ideal Ramson and out of Augusta Gardenia Rosewood and Stamford cows. Write or come and see them. Address
BOCHMAN BROS HOLSTEIN, IOWA

SHORTHORN FEMALES

Choice pure Scotch heifers, bred to MARELLBAR ENDEAVOR by the famous Klaymor Footprint. Also a few cows with calves by him.
PLAINVIEW STOCK FARM
OTTO A. SCHRANK DANBURY, IOWA

6 GOOD YEARLING
SHORTHORN BULLS

for sale. Three dark roans and 3 red bulls. Well bred and good individuals. Write at once or come and see them. Address
DEWAR BROS. CHEROKEE, IOWA

MILKING SHORTHORNS

NATIONAL MILKING SHORTHORN SHOW and SALE

A strong feature of the American Royal Show at Kansas City, Mo., OCT. 22d–23d. THE BEST from all over United States. Unusual opportunity for establishing herds of THE BEST DUAL PURPOSE BREED IN THE WORLD.

Write for catalog to
AMERICAN MILKING SHORTHORN SOCIETY
809 Exchange Avenue Dept. WF-52, Chicago 9, Ill.

MILKING SHORTHORNS

Because of ill health, retiring to smaller farm. Will sell nearly all the herd. Bulls 2 to 14 months old. Females 2 months to mature cows. Best of Bates, Clay and Imported English families with highest milking ancestry possible to obtain. Priced to sell. Also White Collie Puppies, guaranteed natural heelers.
PEERLESS & BELL VERNON HERD
DECORAH, IOWA

1880—IOWANNA FARMS—1947

Bates breeding is responsible for the advance of MILKING SHORTHORNS all over the world. The last opportunity to secure a good son of the great bull, 197th DUKE OF IOWANNA. They will improve your herd. Blood lines that have proven their worth. Act now. Choice animals of both sexes. Write or visit.
J. RUSSELL CURRIER, Mason City, Iowa

MILKING SHORTHORNS

Bulls of serviceable age. GOOD TYPE. Backed by generations of high-producing RECORD OF MERIT dams. Sired by McKee's BLACKWOOD BARON, whose dam averaged 13,625 lbs. milk and 525 lbs. butterfat for nine lactations. Or by McKee's LORD SOMERSET (classified excellent), whose seven nearest dams averaged 10,426 lbs. milk and 433 lbs. butterfat.
McKEE FARMS Carlisle and Indianola, Iowa

MILKING SHORTHORNS

Junior herd sire, 2 years. Dam's 2-year record 356 lbs. fat. Also a red 12 months junior champion at Franklin County and several younger bulls. Also a few bred and fresh heifers. Priced to sell.
HANS C. GULDAGER ACKLEY, IOWA

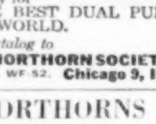
BERKSHIRES

REGISTERED BERKSHIRES

Sired by Champions out of Champions. SHORT HEADED, low down, feeder type. 200 all ages. Large litters. Special Offer to 4-H, F.F.A.
ORLO ADAMS
2012 E. Thomas Ave. MILWAUKEE 11, WIS.

CHESTER WHITES

BARROW SHOWS PROVE



Chester Whites, Kings of the Show Rings, Feed Lot, Packer's Block. For more hog profits, raise the kind packers prefer — Chester Whites. Write for FREE FACTS.
THE CHESTER WHITE SWINE RECORD ASS'N
Levi P. Moore, Sec'y, Rochester, Ind.

CHESTER WHITE SOWS

10 Choice Fall Sows for sale, bred for September farrow. Best of breeding. Choice individuals. Reasonable. Write or phone.
ROY V. COPP, - - GLIDDEN, IOWA

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MATURE HOGS QUICKLY and SAVE EXPENSIVE FEED with Bolson's Mineral Protein Conditioner!

SAVES ALSO 30-40 DAYS FEEDING TIME—LABOR—MONEY!

The supplement which gives you more Minerals, Vitamins, Enzymes and added conditioners, goes farther and accomplishes more than any single protein. Ask your reliable feed dealer.

The L.C. BOLSON Co.
A NAME YOU CAN TRUST IN FEEDS!
DECORAH, IOWA.

CHESTER WHITES

MALY'S CHESTER BOARS

45 purebred registered Chester White spring boars. Vaccinated for Cholera and Erysipelas. Shipped anywhere. Farm 1 mile east, 1 mile south.
EDWARD MALY MONDAMIN, IOWA

40 CHESTER WHITE BOARS

Have a grand good lot of boars for the trade and am ready to sell. The sooner you see me the better your boars. Write me at once. Address
ROY V. COPP GLIDDEN, IOWA

DUROC JERSEYS

Spring and Fall Duroc Boars

Good quality, best of breeding, raised on plenty range, good color and plenty bone. Good enough to go anywhere. Four miles west of town on 30, and one mile south and one-half mile west.
SAM ROBERTS & SONS, JEFFERSON, IOWA

DUROC JERSEYS

THOMPSON'S DUROCS

I have declared off my fall sale and will sell at private treaty. I am offering 30 choice, well bred boars. Good individuals and the choicest breeding. Write, phone, or come and see them.
JOHN THOMPSON LAKE CITY, IOWA

DUROC BOARS

Early farrowed spring boars, excellent quality. Well grown, the kind that will please. Sired by Fancy Blazer Jr. and Thickset Sensation. Satisfaction guaranteed. Write or come to farm. 5 miles southeast of Scranton.
CHARLES DAHLKE SCRANTON, IOWA

50 DUROC BOARS

We are now ready to do business and we have the greatest boars we have ever raised. Sired by our noted boars, Admiral Prince 163197 and Golden King. Good individuals and the best of blood lines. Write or come and see them. Address
E. M. REICHARDT ESTATE, CORNING, IOWA

CHOICE DUROC BOARS

I am offering 15 well bred and well grown spring boars for sale, sired by Western Lad, Royal Marksman, Low Down Leader and Pathfinder Prince. Write or come and see them. Address
ERNEST L. McDERMOTT WIOTA, IOWA

DRUMMY'S DUROCS

Registered Duroc spring boars and gilts sired by Hot Spot. They are really the big husky, deep bodied, dark haired kind. Immune. Priced for quick sale. Wt. 200 lbs. on August 15th.
VINCENT E. DRUMMY RYAN, IOWA

DUROC BOARS AND GILTS

I am now offering at private sale 25 choice Duroc boars and gilts. The best of breeding, good colors and well grown. Write, phone or call.
O. S. LARSON LOGAN, IOWA

40 DUROC JERSEY BOARS

We are now ready to sell 40 choice Duroc Jersey boars and gilts, well bred, well raised, and good individuals, at private sale. Write, come, or phone.
CAMERON BROS. HERMAN, NEB.

HAMPSHIRES

CHOICE HAMPSHIRE BOARS

We have 75 good Hampshire boars for sale and they are good, and bred right. Sired by a son of Parkdale Glory, others by a son of All Dimension. Write or come and see them. Address
PHILLIP JOHNSON & SONS ONAWA, IOWA

HEREFORD HOGS

HEREFORD HOGS

NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C O D YOUR APPROVAL
FREE CIRCULAR
YALEHURST FARMS, PEORIA, ILL.

POLAND CHINAS

FOR REAL BLACK POLAND CHINA HERD BOAR PROSPECTS

Top Blood Lines and Quality at Reasonable Prices. Come or Write.
LYLE COCKERTON WHITING, IOWA

POLAND CHINA BOARS

March farrowed. Breeding, type and quality based on forty years of experience in this business. No man can offer you more for your money.
CHAS. F. SCHRUNK & SON, Mapleton, Iowa

Poland China Boars and Sows

I am offering 35 boars for sale sired by Inflation, Sunbeam by Sunrise, by Low Down, Silver Star 2d and Real Prince Domino. Also 20 very choice fall gilts. Top breeding and top Polands. Address
KENNETH MARSH LEHIGH, IOWA

SPOTTED POLAND CHINAS

Boar and Gilt Sale—October 9th

42 Spotted Poland Boars, 15 Gilts at Public Auction, 3 miles northwest of Fairmont, Thursday afternoon, October 9th. Leading blood lines. Catalog on request.
ARNOLD KRAHMER FAIRMONT, MINN.

REG. SPOTTED POLANDS

Sows bred for October and November. Also fall and spring boars and gilts. Several sows with litters. You will not find them any lower down anywhere. Wide backs.
PETER WITT KEYSTONE, IOWA

YORKSHIRES

YORKSHIRE HOGS

"The Lean-meat Post-war Breed"
Bred gilts, pigs, unrelated boars. Illustrated circular.
YALEHURST YORKSHIRE FARM
PEORIA, ILLINOIS

YORKSHIRES

YORKSHIRES

BRED GILTS, BOARS AND WEANED PIGS
Iowa's Champion Herd.
OAKVIEW FARM
G. R. BAKER MINGO, IOWA

YORKSHIRE HOGS

Registered fall and spring boars, mostly Canadian breeding, excellent quality. Reasonable. Write for information and prices.
BEN G. STUDER WESLEY, IOWA

SHEEP

RAMS AND EWES

Registered Suffolks, Hampshires, Corriedales—Rams and Ewes; also Imported rams ... also 1,000 large, young unregistered ewes. Priced reasonable.
EDMOND STONE CHARITON, IOWA

SHEEP—All Breeds Choice EWES . . BREEDING . . FEEDER LAMBS . . RAMS. Desirable Quality. Reasonable.
Arnold C. O'Brien Sheep Co.
SOUTH ST. PAUL, MINN.

SHROPSHIRE RAMS

Choice registered yearling RAMS, with size, bone and quality. Priced reasonable. On paved Highway No. 16.
N. K. HARTLEY HILLSBORO, IOWA

OXFORD AND HAMPSHIRE RAMS

Best of breeding. Priced reasonable.
JOHN GRAHAM ELDORA, IOWA

DORSET SHEEP

Choice registered yearling rams to 4 years old. Good breeding, top quality.
BEN G. STUDER WESLEY, IOWA

Hampshire & Southdown Rams EXTRA CHOICE

A. S. SMITH COON RAPIDS, IOWA

HAMPSHIRE RAMS

Purebred Hampshire yearling rams and lamb rams. Good individuals. Well grown.
Telephone 901
M. O. TJERNAGEL STORY CITY, IOWA

SUFFOLK RAMS AND EWES

Registered rams and ewes, good type and quality. Reasonable.
JOHN H. CARSTENS BREDA, IOWA

DOGS

Dogs of the Hunting Breeds

Coon, Opossum, Mink, Squirrel, Fox, Rabbit dogs. Ten days' trial. Write for full information and literature. Prices reasonable.
J. N. RYAN KENNEL MURRAY, KY.

Shomont Collies

Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

GENUINE ENGLISH SHEPHERD PUPS
(Heelers, no fooling.) (Year's trial.) Guaranteed. Training instructions. Males, females, spayed females specialty. (Several partly trained.)
EMIL RUMFT
Reinbeck, Iowa

WANTED TO BUY

Good English Shepherd or Collie Pups
Write Box 1, Wallaces' Farmer and Iowa Homestead

GENUINE ENGLISH SHEPHERD PUPS

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET
ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

SHEPHERDS, COLLIES

ENGLISH SHEPHERD OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN KENNELS FLANAGAN, ILL.

HUNTING HOUNDS

Straight Coonhounds. Combination Hunters, Foxhounds, Beagles, Rabbit ... ticks, Redbones, Blacktans. Reasonable. Trial. FREE LIST.
ECHO VALLEY KENNELS Herrick, Illinois

PUREBRED
Border Collies, English Shepherds

America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock.
FAIRMOUNT FARMS, - CEDAR FALLS, IOWA

COLLIE PUPS

Purebred and Registered sable collie pups. Extra well marked. Intelligent.
RALPH SCHENK MT. UNION, IOWA

AIREDALE COCKERS

Registered. $15.00 and up.
Males for breeding.
VAN GORP KENNELS & FUR RANCH
PELLA, IOWA

Coming Livestock Sales

ABERDEEN ANGUS

Sept. 22-23—Ralph L. Smith (Dispersion), Lees Summit, Mo.
Sept. 27—Minnesota State Sale, Montevideo, Minn.; Clem C. Chase, Secy., Box 669, Pipestone, Minn.
Oct. 3—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Oct. 4—John D. Warin and Morris O'Conner Sale, Maloy, Iowa; John D. Warin, Mgr.
Oct. 6—Nodaway County Angus Breeders Assn., Maryville, Mo.; F. B. Houghton, Secy.
Oct. 7—Botna Valley and Shelby County Assn., at South Omaha, Neb.; E. J. Baker, Mgr., Exira, Iowa.
Oct. 15—Interstate Aberdeen Angus Assn., Sioux City, Iowa; P. K. Pratt, Secy., Walnut, Iowa.
Dec. 8—Meek Ranch, Milton, Iowa; H. Ward Benson, Owner.

HEREFORDS

Sept. 30—Oscar C. Sevig, Walford, Iowa, and Olson Bros., Newhall, Iowa.
Oct. 1—Wiese Bros., Donohoe, Iowa.
Oct. 14—L. C. Larsen & Sons, Hamlin, Iowa; sale at Audubon, Iowa.
Oct. 11—T. G. Murray, Oxford Junction, Iowa.
Oct. 14—Ira Reen, Orient, Iowa, and T. M. Hayden, Creston, Iowa; sale at Orient, Iowa; T. M. Hayden, Mgr., Creston, Iowa.
Oct. 17—Leroy Marcus, Lamotte, Iowa.
Oct. 18—Southeast Iowa Breeders Assn., Mount Pleasant, Iowa; Mervin L. Zeller, Sale Mgr., Packwood, Iowa.
Oct. 27—Midiowa Hereford Assn., Marshalltown, Iowa; Mrs. Harold J. Peterson, Secy., Liscomb, Iowa.
Oct. 28—Cedar Valley Hereford Sale, Cedar Rap-
Nov. 24—A. J. Minish & Sons, Dysart, Iowa.
Jan. 5-6—Iowa Breeders Assn. Show and Sale, Sioux City, Iowa; F. W. Ketelsen, Secy., Everly, Iowa.

POLLED HEREFORDS

Dec. 12-13—Minnesota State Sale, So. St. Paul, Minn.; Lew Lerson, Pres., Mabel, Minn.
Dec. 19-20—Iowa Polled Hereford Assn. Show and Sale, Des Moines, Iowa; Leigh Curren, Sale Mgr., Mason City, Iowa.

SHORTHORNS

Sept. 22—Marshall County Breeders, Marshalltown, Iowa; Geo. H. Lewis, Mgr.
Oct. 4—Swanson Bros., Estherville, Iowa.
Oct. 6—Northwest Missouri Breeders, Rockport, Mo.; James Meyer, Mgr., Maryville, Mo.
Oct. 8—Penningroth Bros., Wellman, Iowa; Carlton Reed, Bellevue, Iowa, and Gilbert Kardel, Walcott, Iowa.
Oct. 17—M. R. Maurer & Sons, Manchester, Iowa, and L. & A. T. Robinson, Masonville, Iowa.
Oct. 25—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 30—Wisconsin State Sale, Dodgeville, Wis.
Nov. 3—H. J. Pankratz, Mountain Lake, Minn. (Dispersion); Merv. F. Aegerter, Sale Mgr., Seward, Neb.
Nov. 19—Central States Breeders, Fort Dodge, Neb. Iowa; Merv F. Aegerter, Sale Mgr., Seward, Neb.
Nov. 29—Curtiss Candy Co. and Marellbar Farms, Libertyville, Ill.
Dec. 20—Holz Bros., Rippey, Iowa.

MILKING SHORTHORNS

Oct. 9—John F. Gibbons & Sons, Brighton, Ill.
Oct. 15—Minnesota State Sale, Owatonna, Minn.; R. E. Hodgson, Secy., Waseca, Minn.
Oct. 30—Omaha, Neb., Annual Fall Breeders Show and Sale; H. C. McKelvie, Sale Mgr., Stockyards Station, Omaha, Neb.
Oct. 31—Omaha, Neb., Polled Milking Shorthorn Breeders Show and Sale; H. C. McKelvie, Sale Mgr., Stockyards Station, Omaha, Neb.

POLLED SHORTHORNS

Oct. 7—Sioux Empire Sale, Sioux Falls, S. D.; John F. White, Mgr., Canton, S. D.
Oct. 13—Iowa Polled Shorthorn Club, Des Moines, Iowa; Earl S. Girton, Mgr., Marshalltown, Iowa.
Oct. 23—M. F. Boyle, Granville, Ill.; at Henry, Ill.; Hal Longley, Mgr.
Oct. 24—Illinois State Sale, Normal, Ill.; Hal Longley, Sale Mgr., 16 S. Locust, Aurora, Ill.
Oct. 27—Missouri State Sale, Sedalia, Mo.; E. J. F. Early, Secy., Lexington, Mo.

DAIRY CATTLE

Sept. 22—Omaha, Neb., Special Sale high-grade Holsteins, Guernseys, Brown Swiss and Milking Shorthorns; H. C. McKelvie, Sale Mgr., Stockyards Station, Omaha, Neb.
Sept. 24—Brown Swiss Breeders, Sandwich, Ill.
Sept. 27—Bright Star Guernsey Dispersal, Zumbrota, Minn.
Sept. 29—Dr. Frank C. Jacobs, Rochester, Minn.; Minnesota Sales Co., Mgr., Rochester, Minn.
Oct. 1—Iowa State Sale (Brown Swiss), Cedar Rapids, Iowa; H. A. Brunnemeier, Secy., Spencer, Iowa.
Oct. 6—Special Dairy Sale, Waverly, Iowa; Claude E. Wylam, Sale Mgr.
Oct. 8—Southeastern Iowa Holstein Breeders Annual Sale, Wellman, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.
Oct. 9—Iowa Ayrshire Breeders, Waterloo, Iowa; Richard Sears, Mgr., Grinnell, Iowa.
Oct. 11—Sand Cliff Jersey Dispersion; Frederick J. Furlow, Owner, Rochester, Minn.; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 14—Iowa State Holstein Sales, Waterloo, Iowa; Dallas McGinnis, Secy., 912 Waterloo Bldg., Waterloo, Iowa.
Oct. 14—Rebawill Jersey Farm Dispersal; W. S. Morrison, Iowa City, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 16—Barr Keshlear Jersey Dispersal and K. M. I. Sale, Shenandoah, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 20—"The Mid-Westerner" Holstein Show and Sale, Omaha, Neb.; Claude E. Wylam, Mgr., Waverly, Iowa.
Oct. 20—Mountain & Squire (Guernseys, West Des Moines, Iowa.
Oct. 20—High-Grade Holstein, Guernsey, Brown Swiss and Milking Shorthorns, Omaha, Neb.; H. C. McKelvie, Mgr., Stockyards Station.
Oct. 20—M. H. Petersen (Holstein Dispersal, Ringsted, Iowa; Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Nov. 4—"Inaugural" Brown Swiss Breeders Show and Sale; Dean Robinson, Mgr., Shelby, Iowa.
Nov. 17—Guernsey Breeders Show and Sale, Omaha, Neb.; H. C. McKelvie, Sale Mgr., Stockyards Station, Omaha, Neb.
Dec. 6—Second Annual Parade of Bulls Show and Sale (Holsteins), Waterloo, Iowa; Claude E. Wylam, Sale Mgr., Waverly, Iowa.

RED POLLED CATTLE

Oct. 17—Illinois-Wisconsin Breeders, Normal, Ill.; J. O. Carr, Chairman, Yorkville, Ill.

CHESTER WHITES

Sept. 29—(Night Sale) Clarence Smith, Jr., Primghar, Iowa.
Sept. 30—R. A. Riemenschneider, Kingsley, Iowa.
Sept. 30—(Night Sale) Robert Naefke, Clarion, Iowa.
Oct. 1—(Night Sale) Herbert F. Hoover, Oskaloosa, Iowa.
Oct. 2—Walter Schminke, Van Horne, Iowa.
Oct. 4—A. L. Bidne & Son, Lake Mills, Iowa.
Oct. 7—Henry Jurgensen, Olin, Iowa.
Oct. 8—C. T. Keen & Sons, Legrand, Iowa.
Oct. 8—(Night Sale) Robt. Lanigan, Fairbank, Iowa.
Oct. 9—J. B. Seehusen and Dale Danneman, Center Junction, Iowa.

DUROC JERSEYS

Oct. 1—Warrick Bros., Prairie City, Iowa; sale at Colfax, Iowa.
Oct. 1—(Night Sale) Roger Vander Ploeg, Monroe, Iowa.
Oct. 4—Gregor F. Vaske & Sons, Dyersville, Iowa.
Oct. 6—Ihl Bros., Luverne, Minn.
Oct. 10—Iowa Falls Assn., Iowa Falls, Iowa.
Oct. 10—Fred Knopp, Charter Oak, Iowa.
Oct. 18—W. H. Helmke & Sons, Renwick, Iowa.
Oct. 20—Night Sale; Carl Hebner, Jefferson, Iowa.
Oct. 22—Bert Brock & Sons, Sioux Center, Iowa.
Oct. 24—Willard Klein, Iowa Falls, Iowa.
Nov. 10—Iowa Falls Assn., Iowa Falls, Iowa.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. T. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 311, Spencer, Iowa.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

AS WE START our sixth year of reporting some of the ideas we have gleaned by visiting with folks around the farm and in the feedlot, we want to express our deep appreciation for the way so many of you people have adopted the ideas we have had to offer. Here in the cornbelt, the circle of Walnut Grove boosters has grown by leaps and bounds. It's a real sign that our efforts to place agriculture in its rightful place are being recognized and accepted.

THERE ARE MANY TYPES of farmers and just about as many ways to operate a farm. But in every community there is someone a bit more successful than the others. Probably it's the way he cares for his livestock; perhaps it's the way he uses his machinery; or perhaps he has a system for getting the most from his soil. Every farmer can benefit from the power of observation, if he puts his observation to good use on his own farm.

WASHINGTON COUNTY, Iowa, provides this state with a large number of top-notch, thrifty farmers. They have good land, and they grow good crops and livestock. They feed home-grown grains, balanced with Walnut Grove, a complete mineral. Among the great number of customers served by Charles Spinler, of West Chester, we find the names of James Lehman, Carl Walton, C. O. Baughman, Howell Owens, Raymond Hammond, Paul Beards and Jake and Leo Anderson.

THEY'VE SPROUTED WINGS is the way folks refer to the Iowa farm group which is touring Europe to gather first-hand information on conditions abroad. The 22 farm leaders represent a wide variety of interests, so they should bring home much worth-while information as to food, agriculture, economic, social, religious and political developments, all of which have a great bearing on agriculture in this country.

THE INTERNATIONAL aspect is of growing importance to our future agricultural program, but we have another problem right here at home. That problem is how to encourage more young men to stay on the acres. Two out of every three farm boys move to the city. The average age of all farmers is now 52 years, and only two per cent of the tillers of the soil are under 25 years. We must sell our young men on the idea that farming has untold advantages.

ONE OF THE BEST COUNTIES in the state of Iowa from the standpoint of farming is Black Hawk. In this section, farmers are aggressive and pick up most of the tried and proven ideas to make work easier and more profitable. Joe Even and his son Tony represent our company and encourage the adoption of good feeding plans. Walnut Grove has long been important in the livestock success of Philip Welter, Walter Ulm, Peter Shares, Leo Peters, Roy Fischels, Warren and Edgar Blough and Harry Zimmerman.

THERE'S WIDE VARIATION in the corn crop in Iowa, but the best won't be good enough to give us all we'll need. There's one consolation, though, and that is the knowledge that we can use approved feeding methods to get the most feed value from the available supply. Most seed producers say there won't be an acute shortage of seed for next spring, and that's good news.

YOU MAY GET STUNG by going into a lot of businesses, but you won't get stung too seriously if it's in the honey business. Bees make up a 50 million dollar industry, and a hundred swarms have kept many folks away from the poor farm. Besides producing honey, bees are invaluable in the pollination of crops. Some farmers have been known to hire their bees out for this purpose. They not only get paid for the service of the bee, they get to keep the honey.

THE FARM DOLLAR isn't worth as much today as it was a few months ago, but then every other class is finding the same to be true. During the past year, there's been a steady decline in the purchasing power. Trouble is, farm prices have been holding fairly steady, but the things we must buy continue to go up. Even so, the farm dollar buys 17 cents more than it did in 1910-14. However, a month ago it bought 19 cents' worth more, and a year ago 23 cents more.

THE MOUNTING PRICE of wheat is going to keep down the quantity which many folks thought would be used to replace corn in the livestock ration. At present, there is no great amount of wheat being used in mixed feds, although a few firms are stock-piling moderate amounts for use when supplies of coarse grains run out. One bright spot in the feed picture is the fact there'll be a marked increase in the protein supply.

A GREATER SUPPLY of oil-seed cake and meal will enable livestock feeders to produce pork and beef efficiently by providing a well balanced ration of home-grown grains, protein and a complete mineral. With grain prices at a record high, it'll be more important than ever to watch the corners. That means a wise feeding program: one which will return the most money for each dollar spent. That's the kind of program we've recommended for 25 years or more.

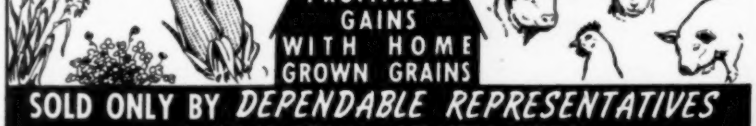
IT'S THE PROGRAM that farmers in Franklin county, Iowa, have been turning to with marked success. It's the efficient use of Walnut Grove Minerals with home-grown grains, and it's paying dividends for the customers Dallas Armstrong, of Hansell, is adding to our lists daily. Joining the ranks as followers of proven feeding practices are well-known farmers like Fred Krukow, George Kruckenberg, Wayne Bielefold, Elmer Held, E. A. Fredericks, Carl Sailor and John Kuper.

MECHANIZATION OF FARMS continues at such a fast clip that there is twice as much machinery on farms of the nation as there was before the war. We're told that farmers purchased $800,000,000 worth of equipment last year, and sales would have been even greater than this had there been more available. Machinery costs are high, but wages for hired men and the cost of draft power have gone up even faster.

BIGGEST QUESTION this fall for most farmers concerns the disposition of the corn crop, should there be a frost before it matures. Beef cattle probably rank first among fattening livestock able to utilize large amounts of soft corn. Hogs are considered second choice, and they can handle a lot of soft ear or soft shelled corn. Feeding soft corn to sheep is all right, but the return will be smaller. Remember, though, make the change gradually for all stock.

MAKING A GRADUAL CHANGE isn't necessary, though, when adding a complete mineral like Walnut Grove to the ration. Walnut Grove plays no favorites. It's just as important in the ration, and results will be just as good in one part of Iowa as another. Ask the men in Fayette county who secure their mineral needs frôm Wm. Ponsar. There are men on the list like Jchn and Fred Ingle, LeRoy Henniges, Bert Oltrogge, Alfred and Sam Bartels, Wm. Henderson, J. W. Geary and Herb Rechkemmer.

A NEW GROUP OF EXPERTS with a long-handled name have joined the ranks of farm scientists. They are called "Climatologists," and they will work with the Weather Bureau to figure out suitability of certain crops to certain climates. What we need is a group of experts who can figure out a year in advance what kind of a climate we're going to have.



Coming Livestock Sales

(Continued)

HAMPSHIRES

Oct. 7—O. W. Jones & Son, Ute, Iowa.
Oct. 7—(Night Sale) Frank Wasko, Mallard, Ia.
Oct. 8—(Night Sale) Lettow Bros., Alden, Iowa.
Oct. 9—(Night Sale) Frantz Bros., Grand Junction, Iowa.
Oct. 14—(Night Sale) E. R. Brenneman, Winfield, Iowa.
Oct. 20—Matt Locatis & Sons, Fort Dodge, Iowa.
Oct. 20—(Night Sale) Robin Lane Farm, Hampton, Iowa.
Oct. 21—Night Sale; Fred H. Michaelson, Ida Grove, Iowa.
Oct. 24—(Night Sale)—Linlithgow Farm, Dave Livingston, Mgr., Washington, Iowa.

HEREFORD HOGS

Oct. 9—Monroe Yoder, Kalona, Iowa.
Oct. 10—Iowa State Breeders, Colfax, Iowa; Harris Sellers, Jr., Mgr., Chariton, Iowa.
Oct. 11—Sellers Bros., Chariton, Iowa.
Oct. 11—Blanchard & Sellers, Chariton, Iowa.

POLAND CHINAS

Sept. 22—John Supple, Coggon, Iowa.
Oct. 6—Helgens Bros., Monticello, Iowa.
Oct. 8—C. W. Crees, Bayard, Iowa.
Oct. 8—Emmert Farm, Mason City, Iowa.
Oct. 8—(Night Sale) Brown & Brown, Hampton, Iowa.
Oct. 13—L. R. McClarnon, Braddyville, Iowa.
Oct. 13—(Night Sale) B. F. Anderson & Sons, Omaha, Neb.
Oct. 14—Edw. E. Forest, Mt. Vernon, Iowa.

SPOTTED POLANDS

Sept. 22—Zuerl & Raasch, Brunswick, Mo.
Sept. 24—Niehaus Bros., Greene, Iowa; sale at Allison, Iowa.
Sept. 25—Carl Hebner, Jefferson, Iowa; sale at Rippey, Iowa.
Sept. 25—Cecil Wilson, Lenox, Iowa.
Sept. 26—Gerrit J. Kempers & Son, Hull, Iowa.
Sept. 30—(Night Sale) C. W. Nelson & Sons, Harlan, Iowa.
Sept. 30—Nelson & Paulsen, Blair, Neb.
Oct. 2—Earl Kellogg & Sons, Winfield, Iowa.
Oct. 3—(Night Sale), Spaulding Bros. & Beckwith, Valley, Neb.
Oct. 4—Night Sale; Miles M. Mann, Woodbine, Iowa.
Oct. 6—John Claussen & Son, R. 3, Davenport, Iowa.
Oct. 7—(Night Sale) Albert Klocke, Manning, Iowa.
Oct. 9—Harvey C. Larsen, Elkhorn, Iowa; sale at Harlan, Iowa.
Oct. 9—Arnold Krahmer, Fairmont, Minn.
Oct. 9—(Night Sale) Boone County Breeders
Oct. 9—A. Lopau, Pipestone, Minn.
Assn., Boone, Iowa; F. L. Mackey, Secy.
Oct. 10—(Night Sale) Fred F. Goodchild & Sons Mallard, Iowa.
Oct. 11—Albert Kremer, Lake Lillian, Minn.
Oct. 14—(Night Sale) Jack Zimmerman, Earling, Iowa.
Oct. 15—A. J. Anderson & Sons, Kellogg, Iowa.
Oct. 17—(Night Sale) Luther Goldberg, Essex, Iowa; sale at Shenandoah, Iowa.
Oct. 17—Julius F. Roths, Rock Rapids, Iowa.
Oct. 18—(Night Sale), Lyle Stoaks, Conway, Iowa.
Oct. 20—(Night Sale at Shenandoah, Iowa) A. C. Fichter, Randolph, Iowa.
Oct. 21—(Night Sale) Forest L. Jackson, Lytton, Iowa.
Oct. 22—Alvin Sunderman, Clarinda, Iowa.
Oct. 24—Norris Voge, Neola, Iowa; sale at Harlan, Iowa.
Oct. 24—(Night Sale) Clifford Pitstick, Jolley, Iowa; sale at Sac City, Iowa.
Oct. 31—(Night Sale) T. E. Lawrence, Portsmouth, Iowa.
Nov. 1—T. E. Lawrence, Portsmouth, Iowa; sale at Harlan, Iowa.
Nov. 3—Harry Mumm, Griswold, Iowa.

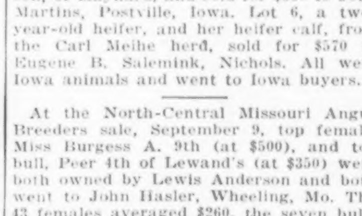
YORKSHIRES

Oct. 2—Yalehurst Farm, Peoria, Ill.

Livestock News

In the Holstein breeders sale, held at Waterloo, Iowa, September 6, the top bull was consigned by J. H. Rasmussen & son, of Maynard, and sold for $530 to John Martins, Postville, Iowa. Lot 6, a two-year-old heifer, and her heifer calf, from the Carl Meihe herd, sold for $570 to Eugene B. Salemink, Nichols. All were Iowa animals and went to Iowa buyers.

At the North-Central Missouri Angus Breeders sale, September 9, top female, Miss Burgess A. 9th (at $500), and top bull, Peer 4th of Lewand's (at $350) were both owned by Lewis Anderson and both went to John Hasler, Wheeling, Mo. The 43 females averaged $260, the seven bulls $279 each.



• Excellent educational and descriptive material on these subjects is offered to you FREE by advertisers in this issue. Write direct to the manufacturers whose advertisements appear on these pages for your copy of this information.

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The Tank Truck

No More Sleepless Nights!

That's what Conoco *Nth* means to Mr. R. F. Poehlmann, owner of a 260-acre dairy farm near Brenham, Texas. He writes: "During the heavy operating season, if any of my equipment does not operate properly I go home at night and worry, and usually have a sleepless night. I know there are many, many farmers who have had these same worries and sleepless nights. My advice . . . to eliminate them is to use Conoco *Nth* Motor Oil, as this oil means the very life of a tractor.

". . . my 1942 Ford Ferguson . . . has been in operation practically every working day . . . not once has the head been off of this tractor. Even today . . . your oil comes out clean at the end of each drain period. Even yet I cannot find any trace of sludge whatsoever."

In the picture (left), Mr. Poehlmann is filling his five-year-old Ford Ferguson, while his ten-year-old son, Ralph, proudly shows Conoco Agent, A. G. Wehman, how clean Conoco *Nth* appears on the dip stick after 160 hours' operation.

Stuffed Pork Tenderloin

...with Bananas!

Mrs. Earl Davenport of Octavia, Nebraska, sends this prize-winning meat dish recipe.

Select 2 good-sized pork tenderloins. Make a dressing of 1 cup bread crumbs, 2 or 3 sage leaves, a small amount of grated onion, ¼ teaspoon salt, ¼ teaspoon pepper, and ¼ cup melted butter. Spread dressing on 1 tenderloin and place the other tenderloin on top of the dressing. Tie together. Place in casserole and bake about 2 hours, basting frequently with hot drippings. Cut 3 bananas in halves. Dip bananas in flour and saute in hot fat. Set the meat on serving dish and lay the bananas around it.

Send your favorite recipe to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Okla. Get $5 for each one printed here with your name. If duplicates are received, the one published shall be determined solely by Mrs. Wheeler. All recipes become property of Continental Oil Company.

FARM KITCHEN

$5.00 for your favorite recipe!

Earthquakes...Temples...and Conoco Nth Motor Oil!

EARTH'S oldest wooden building stands in the world's worst earthquake center . . . Japan! After 1,238 violent years its great timbers are still held together by one of nature's mightiest forces . . . *molecular attraction!*

You wonder what this has to do with farming? Here's the answer: This same *force of attraction* gives you OIL-PLATING! When you change to Conoco *Nth* Motor Oil, *molecular attraction* fastens a special *added* ingredient in Conoco *Nth* Motor Oil *so closely* to metal surfaces of your tractor engine that cylinder walls are actually OIL-PLATED! Because OIL-PLATING resists gravity ...can't all drain down even overnight . . . Conoco *Nth* Motor Oil (patented) gives you: EXTRA protection from "dry" starts...EXTRA protection from carbon and sludge caused by wear...EXTRA smooth, cool operating hours out in the fields.

Call Your Conoco Agent to get *your* supply of this oil that OIL-PLATES your engine!

"One Cold Morning"...

Writes Warren E. Richards, Quincy, Illinois, "I attempted to pour some #20 oil out of a can and it refused to pour. That set me to wondering how that oil would act in a crank case. It didn't take me long to decide what to do. I had heard about *Nth* Motor Oil and I gave it a try, and I have been using it ever since. . . . When you buy motor oil . . . you want a #20 oil to act like #20 should at 60, 20 or Zero Degrees. *Nth* Motor Oil has those qualities."

The picture shows Mr. Richards with E. H. Thomas, Conoco Tank Truck salesman. Mr. Richards and his father farm 300 acres of rich Illinois land, and are known for their fine dairy herd of Pure Bred Brown Swiss Cattle.

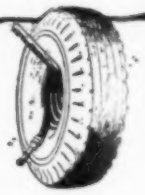
Money ahead on "the prairie!"

That's what Conoco Products and Conoco Tank Truck Service mean to A. C. Polley, Ridgeway, Missouri. Mr. Polley farms 560 acres of some of the finest land in Northwest Missouri. His equipment includes 2 Farmall Tractors and a Caterpillar, a Power-bailer, a Combine, a Hammermill, and 2 trucks. He writes: ". . . I can say that I have had no operation problems because of the quality of Conoco products. I've worked my machinery hard . . . but I'm careful to take good care of it and *good* care, I think, certainly includes the use of Conoco N-tane and Conoco lubricants . . . I've never lost a minute's time because of the failure of your agent to get the product to me. Because of these things I think I am money ahead on my farming operations."

CONOCO

YOUR CONOCO AGENT

Storage for Garden Hose!



Mrs. W. L. Boethin of Logan, Kansas, protects her garden hose by coiling it inside an old tire. With the hose inside, the tire can be hung on a peg, or rolled into a corner out of the way.

Glove Holder!

E. W. Sopher, New Providence, Iowa, sends this simple idea that saves time looking for gloves. Snap them in a mouse trap screwed to the wall . . . as shown in the sketch . . . and they stay there.

DOLLARS FOR IDEAS!

Ideas are worth money. Send your original ideas to *The Tank Truck* in care of this paper—and get $5.00 for every one that's printed!